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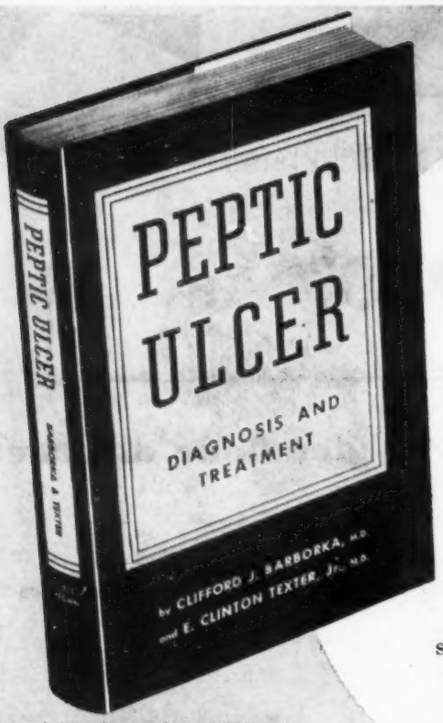

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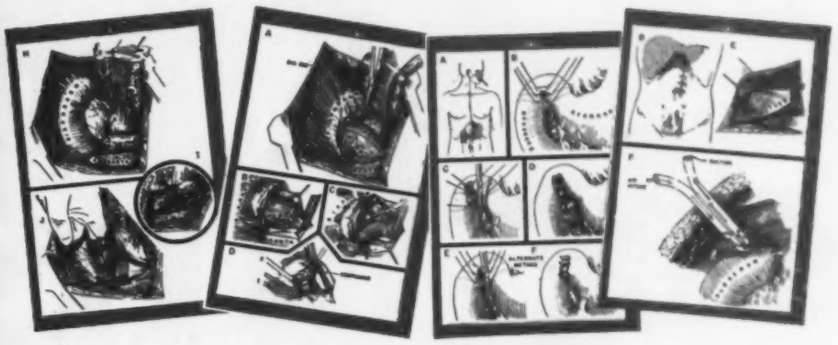

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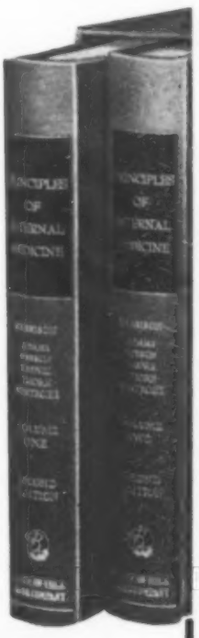

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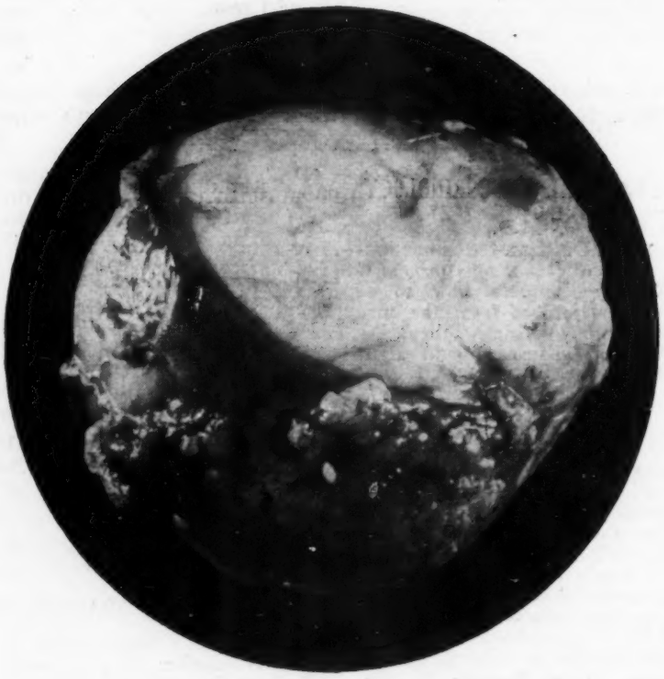

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RELEASE OF NEW DRUGS

Carrying out recommendations of an advisory committee, the Food and Drug Administration has issued new regulations governing the release of new drugs for either over-the-counter or prescription-only use. They become effective early in October, 1955, unless hearings are called or revisions made as a result of criticism or suggestions from interested parties.

The aim of the regulations, according to FDA Commissioner George P. Larrick, is "to establish procedures needed to enforce the new drug law, while fully defining and protecting the rights of applicants." The right to have an "incomplete application filed over the protest of the FDA's New Drug Branch opens to applicants a line of administrative and judicial appeal against a possible arbitrary refusal" to release the drug.

A spokesman for FDA said the new rules in general substitute specific requirements for general instructions, thus eliminating situations that potentially could result in long delays, misunderstandings, and complaints by one side or the other. "There has been no change in our fundamental policies and philosophy," he said.

Two provisions are of particular interest to drug manufacturers. One, the "incomplete application" provision, will permit the drug house to file an application over the protest of the new-drug branch. A hearing must then be held promptly. If the drug still is not cleared by FDA for general distribution, and the manufacturer thinks it should be, he can take his case to court to speed up a decision. In the interest of saving the manufacturer time, FDA is now required to inform applicants by letter of any deficiencies found in the preliminary review of the application. The manufacturer then can take immediate steps to correct the situation, without waiting for a final ruling that would be adverse. While FDA denies that it has been responsible for needless delays in processing applications, and states that it already informs the manufacturer in writing of any adverse findings in the preliminary examination, some drug houses have complained of long delays, only to have the application turned down when a decision is reached.

The other provision will be of interest to physicians who participate in clinical evaluation of new drugs during the investigation stage. In some cases FDA has had difficulty in learning what was taking place. The new regulations give FDA authority to require the manufacturers to supply all information on shipments of investigational drugs to physicians. The physician also can be required to sign a statement describing the nature and results of experimental work he is doing with the drug. A spokesman for FDA said most drug houses and physicians already cooperate fully, but that the added authority was needed to control operations of a few firms.

The manufacturer also will be required to "disclose any omission from the application of reports relating to the safety of the drug, and a statement of the composition and method of manufacture used in the studies if it differs in any way from that described in the application."

Several other requirements have been established. The form must give detailed information regarding manufacturing facilities and controls, including specific data on the stability of the drug and proposed dates of expiration to be shown on the label. Three finished market packages of the drug must be submitted, as well as a specimen of final printed labeling. No changes may be made in the processing until a supplemental description describing them has been filed with FDA; violation of this regulation makes the manufacturer subject to loss of his license. If any information (derogatory) regarding the safety of the drug is developed in the tests, and is known to the manufacturer, and that information is not included in the application, this will be regarded as "an untrue statement of a material fact" and the manufacturer will face loss of his license.

VA MEDICAL REHABILITATION

The Veterans Administration has embarked on a program of rehabilitating as many as possible of its 17,000 veterans receiving sheltered care in 17 VA domiciliaries. These men are disabled to the extent they are unable to earn a living but do not require full-time nursing or hospital care. Most of them are in the older age brackets. The VA said the program was another attack on "the growing problem of providing the type of medical and domiciliary care for aging and aged veterans that will best enable them to lead useful happy lives with the maximum freedom from hospitalization."

The VA outlined three objectives for the program: (1) to provide a place where eligible disabled veterans can live under conditions that will promote their health and contentment; (2) to furnish authorized articles and services that they are unable to provide for themselves, including necessary medical care and hospitalization; and (3) to institute rehabilitation measures so as to enable each disabled veteran to return to his community or, where this is not possible, to function at maximum capacity in domiciliary status.

The program will entail a full medical evaluation of each veteran in working out his daily plan of living as well as periodic medical examinations thereafter. These services will be performed by VA medical personnel. When sufficiently rehabilitated, veterans either will be hired as regular VA civil service employees or they will seek work elsewhere with help of United States and state employment services.

RESEARCH GRANTS

The Public Health Service is now receiving applications for research grants and fellowships in nursing under a program voted by the first session of the 84th Congress. A total of $625,000 was appropriated, marking the first time a specific amount was earmarked for nursing grants. Previously, a limited number of grants in this field were made from general medical research funds. The PHS said the expanded program is designed to support ways and means of improving quality of nursing care, training nurses in research methods applicable to nursing problems, and making better use of the limited supply of

From the Washington Office of the American Medical Association.

professional nurses. Grants in most cases will go to universities, hospitals, health agencies, or professional groups under whose auspices the research projects will be carried out.

Fellowships will be offered nurses seeking special postgraduate training in research methods. Grants may be used for graduate research in universities or for research training provided by any research center or health agency. A nurse applicant must be sponsored by the institution in which the training will be given. The PHS has provided for a review of all applications by a study section representing the nursing and medical professions, hospitals, public health, and social sciences. Applications are available at the Division of Research Grants, National Institutes of Health, Bethesda 14, Md.

DEDUCTIBLE MEDICAL EXPENSES

Medical expenses that are deductible for United States income tax purposes and those that are not are summarized and discussed by the Bureau of Internal Revenue in a report combining some new interpretations with a clarification of old rulings.

Travel expenses to and from a location where daily visits to a medical clinic are required are deductible, but (since 1954) costs of food and lodging are not deductible, except when actually incurred in a hospital. As an example, a trip to Florida required for postoperative treatment (removal of larynx) was declared to be deductible but not hotel costs while in Florida.

Several points regarding special educational costs and special treatments while in educational institutions also are covered. One case cited is the education and training of a deaf child, where the Bureau of Internal Revenue ruled that the cost of special instruction in speech and in lip-reading was deductible but that the cost of ordinary instruction was not. In another case, psychiatric care for alleviating mental illness at a school specially equipped for treatment was declared completely deductible. Where the charge was for instruction or tuition at a psychiatric school, but where the instruction did not represent medical care, the Bureau ruled it not deductible. If a psychologist is giving personal counseling and remedial reading lessons, and even if the student is receiving individual instruction and psychotherapy, the cost is not deductible. However, if psychotherapy is for the prevention of illness, the cost of psychotherapy would be deductible but not the other costs involved.

A number of rulings deal with health and accident insurance. If the policy covers both accidental injury indemnity and medical expenses reimbursement, the premium cost for the latter part of the policy is deductible but not that for the former. In a parallel ruling, the Bureau allowed cost of a policy covering medical benefits but not that covering loss of earnings during illness or disability.

The summary also deals with such items as air conditioners and iron lungs for poliomyelitis cases. The cost of a temporary air conditioner and its installation, minus salvage value, was allowed when a physician prescribed it for illness, but a three-wheel "autoette" for totally disabled veteran was not, on the theory that the vehicle was not used for the alleviation of physical defect or illness. The operating costs of an iron lung and of the necessary associated equipment and nursing care were allowed but not cost of home alterations, as these were considered to increase the value of the home. Oxygen equipment was allowed because it was "used to alleviate difficulty in breathing due to heart ailment," as was cost of a special mattress and bed boards "when prescribed for arthritis of spine." Special foods and beverages are allowed tax exemptions only if medically prescribed and if they are "in no way a part of the nutritional needs of the patient," but the Bureau said no to antiseptic diaper service, wigs, and toothpaste. It also ruled out maternity clothing as a personal expense because the clothing is "for the alleviation of physical or mental discomfort but unrelated to any particular disease or defect." If a taxpayer has an ordinary rubdown following exercise, the cost is not tax exempt, but if the rubdown is prescribed by a physician because of an illness, the cost is deductible.

General medical costs that are deductible are described by the Bureau as follows: "Expenses primarily for diagnosis, cure, mitigation, treatment or prevention of disease, paid for services rendered by physicians, surgeons, dentists, optometrists, chiropractors, osteopaths, qualified psychiatrists and psychologists, and authorized Christian Science practitioners."

PERSONNEL

The Atomic Energy Commission has announced the appointments of Dr. Charles L. Dunham as director of the AEC division of biology and medicine and of Dr. Charles W. Shilling as deputy director. Dr. Dunham succeeds Dr. John C. Bugher, who is returning to the Rockefeller Foundation as director, medical education and public health. Dr. Dunham has been with AEC since 1949. He served with the Division of Biology and Medicine as chief of the medical branch and deputy director. Dr. Shilling joined the AEC in July as special assistant to the director of the division of biology and medicine upon retirement from 28 years of Navy medical service. . . . Dr. Jackson H. Friedlander is the new chief of the residency and internship division in Veterans Administration. Dr. Friedlander succeeds Dr. Wilton M. Fisher who has resigned to return to the Public Health Service. . . . President Eisenhower has named three administration officials to three-year terms of the board of governors of the American Red Cross. They are HEW Secretary Marion B. Folsom, Undersecretary of the Treasury W. Randolph Burgess, and Deputy Secretary of Defense Reuben B. Robertson Jr.

MISCELLANY

An inventory of what states are doing in health programs and other fields to help their aging populations is being conducted by the Committee on Aging of the Department of Health, Education, and Welfare. The committee was set up in 1951, following a White House conference on aging. It operates on a limited budget, and attempts to stimulate state action in the field, mostly through an exchange of information. According to Clark Tibbitts, chairman of the committee, half a dozen states have active, well-financed programs for the aging. They are New York, California, Massachusetts, Connecticut, Rhode Island, Maine, and Washington. . . . A 39-week course in military medicine and allied sciences began Sept. 15 at Walter Reed Army Medical Center, Washington, D. C. . . . The Bureau of Internal Revenue has ruled that only the first $300 per month of a fellowship grant may be considered tax-free, although the grant exceeds that figure because of dependency allowances.

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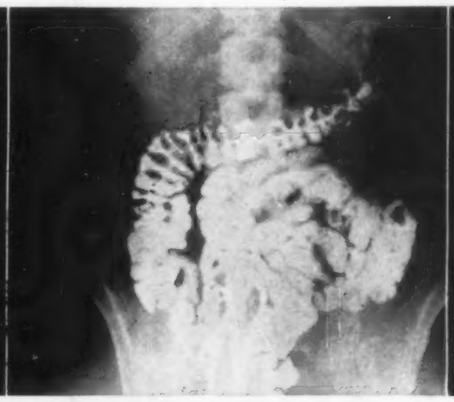
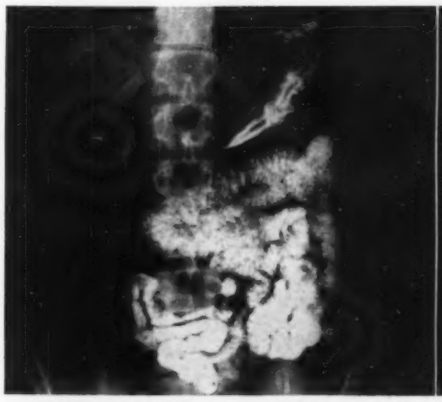
*Schwartz, I. R.; Lehman, E.; Seibel, J. M., and Ostrove, R.: Anticholinergic Effect of Pro-Banthine on the Gastrointestinal Tract: Clinical and Roentgenologic Studies, Scientific Exhibit, Clinical Session, American Medical Association, Miami, Fla., Nov. 29-Dec. 2, 1954.

Thirty minutes after ingestion of barium: pronounced hypermotility.



One hour after ingestion of barium: head of column in splenic flexure.

Three hours after ingestion of barium: head of barium column in rectum.



After 30 mg. of Pro-Banthine by mouth twenty minutes prior to barium ingestion, ninety-minute film: head of barium column in upper part of ileum.

Two-hour film: head of barium column still in upper part of ileum.

Six-hour film: head of barium column still in terminal portion of ileum.

SEARLE

SOCIETY	PRESIDENT	SECRETARY	MEETING
American			
Public Health Association	Herman E. Hilleboe, Albany, N. Y.	R. M. Atwater, 1790 Broadway, New York 19	Kansas City, Mo., Nov. 14-18
Radium Society	Grant Beckstrand, Long Beach 13, Calif.	R. E. Fricke, 102 Second Ave., S.W., Rochester, Minn.	Houston, Tex., April 9-11
Rheumatism Assn.	Edward W. Boland, Los Angeles 5	W. H. Kammerer, 33 E. 61st St., New York 21	
Roentgen Ray Society	J. C. Dickinson, Tampa, Fla.	Barton R. Young, Germantown Hosp., Philadelphia 44	Chicago, Sept. 20-23
School Health Assn.	H. F. Kilander, East Orange, N. J.	A. O. DeWeese, 515 E. Main St., Kent, Ohio	Kansas City, Mo., Nov. 14-18
Society for Clinical Investigation	A. McGehee Harvey, Baltimore 5	J. D. Meyers, U. of Pittsburgh, Sch. of Med., Pittsburgh 12	Atlantic City, N. J., April 30
Society for Experimental Pathology	Harold L. Stewart, Bethesda, Md.	Cyrus C. Erickson, 874 Union Ave., Memphis 3, Tenn.	Atlantic City, N. J., April 15-21
Society for Pharm. & Ex. Ther.	Erwin G. Cross, Iowa City	C. C. Pfeiffer, Emory Univ. Sch. of Med., Emory Univ., Ga.	Atlantic City, N. J., April 15-20
Society for the Study of Sterility	Somers H. Sturgis, Boston	H. H. Thomas, 920 S. 19th St., Birmingham, Ala.	Chicago, June, 1956
Society of Anesthesiologists	B. B. Sankey, Cleveland	J. E. Remlinger, Jr., 188 W. Randolph St., Chicago 1	Boston, Oct. 29-Nov. 3
Society of Biological Chemists	J. Murray Luck, Stanford, Calif.	Philip Handler, Duke University, Durham, N. C.	Atlantic City, N. J., April 15
Society of Clinical Pathologists	John R. Schenken, Omaha	C. G. Culbertson, 1040 W. Michigan St., Indianapolis 6	Chicago, Oct. 10-15
Society of Maxillofacial Surgeons	H. A. Baxter, Montreal, Canada	John A. Drummond, 1414 Drummond St., Montreal 25, Can.	New Orleans, March 1956
Society of Tropical Medicine & Hygiene	William H. Taliaferro, Chicago 37	John E. Larsh, Jr., Univ. of N. Car., Chapel Hill, N. C.	Boston, Nov. 2-5
Surgical Assn.	Alfred Blalock, Baltimore	R. Kennedy Gilchrist, 50 E. Madison St., Chicago 3	W. Sulphur Spr'gs, W. Va., Apr. 11-13
Therapeutic Society	Fred E. Bail, Chicago	O. B. Hunter, Jr., 915 19th St. N.W., Washington, D. C.	Chicago, June 7-10
Trudeau Society	H. Stuart Willis, Chapel Hill, N. C.	William G. Childress, 1790 Broadway, New York 19	New York, May 21-25
Urological Assn.	George C. Prather, Brookline 46, Mass.	Samuel L. Raines, 188 S. Bellevue Blvd., Memphis, Tenn.	Boston, May 28-31
Venereal Disease Assn.	Evan W. Thomas, Albany 1, N. Y.	John C. Hume, 615 N. Wolfe St., Baltimore 5	Washington, D. C., April, 1956
Veterinary Medical Assn.	Floyd Gross, Fort Collins, Colo.	J. G. Hardenbergh, 600 S. Michigan Ave., Chicago 5	San Antonio, Tex., Oct. 15-18, 1956
Assn. for Research in Nervous & Ment. Dis.	J. E. Moore, Baltimore 1	Clarence C. Hare, 710 W. 168th St., New York 32	New York, Dec. 9-10
Assn. for Research in Ophthalmology	William B. Clark, New Orleans	Lorand V. Johnson, 10515 Carnegie Ave., Cleveland 6	Chicago, June, 1956
Assn. of American Medical Colleges	Vernon W. Lippard, New Haven, Conn.	Dean F. Smiley, 185 N. Wabash Ave., Chicago	Swampscott, Mass., Oct. 24-26
Assn. of American Physicians	John R. Paul, New Haven 11, Conn.	P. B. Beeson, Yale U. Sch. of Med., New Haven 11, Conn.	Atlantic City, N. J., May 1-2
Assn. of Life Ins. Med. Dir. of America	Richard L. Willis, New York	Henry B. Kirkland, P. O. Box 594, Newark 1, N. J.	New York, Oct. 19-21
Assn. of Medical Illustrators	Mr. Philip A. Conrath, St. Louis	Miss Rose M. Reynolds, 42nd and Dewey Ave., Omaha 5	New York, Oct., 1-3
Assn. of Military Surgeons of U. S.	Maj. Gen. J. I. Martin, MC, U. S. Army	R. E. Bitner, 1726 Eye St. N.W., Washington 6, D. C.	Washington, D. C., Nov. 7-9
Assn. of State & Territorial Health Officers	John W. R. Norton, Raleigh, N. C.	Franklin D. Yoder, State Board of Health, Cheyenne, Wyo.	Washington, D. C., Nov. 6-12
Biological Photographic Assn.	Mr. Warren Sturgis, New York	Miss J. Waters, Box 1668, Grand Central P.O., N. Y. 17	Milwaukee, Aug. 30-Sept. 2
Central Assn. of Ob. & Gyn.	Frank L. McPhail, Great Falls, Mont.	Edwin J. DeCosta, 104 S. Michigan Ave., Chicago 3	Columbus, Ohio, Oct. 5-8
Central Neuropsychiatric Assn.	Benjamin Boshes, Chicago	Hamilton Ford, 112 North Blvd., Galveston, Texas	Colorado Springs, Colo., Oct. 20-22
Central Society for Clinical Research	Clayton G. Loosli, Chicago	Robert H. Ebert, 950 E. 59th St., Chicago 37	Chicago, Nov. 4-5
Central Surgical Assn.	Rudolf J. Noer, Louisville, Ky.	Charles D. Branch, 102 North St., Peoria, Ill.	Rochester, Minn., Feb. 23-25
Clinical Orthopaedic Society	John H. Moe, Minneapolis	Marcus J. Stewart, 869 Madison Ave., Memphis, Tenn.	Oklahoma City, Sept. 30-Oct. 1
College of American Pathologists	David A. Wood, San Francisco	Arthur H. Dearing, 203 N. Wabash Ave., Chicago 1	Chicago, Oct. 10-15
Gerontological Society	Miss Ollie Randall, New York 10	Nathan W. Shock, Baltimore City Hospitals, Baltimore 24	Baltimore, Oct. 27-29
Industrial Medical Association	Kieffer Davis, Bartlesville, Okla.	H. Glenn Gardiner, Inland Steel Co., East Chicago, Ind.	Philadelphia, April 23-26
Interstate Postgrad. Med. Assn. of N. A.	Charles W. Mayo, Rochester, Minn.	Erwin R. Schmidt, 1300 University Ave., Madison 6, Wis.	Milwaukee, Nov. 14-17
Medical Library Assn.	Mr. Wesley Draper, Brooklyn 16, N. Y.	Mrs. H. T. Perkins, 333 Cedar St., New Haven 11, Conn.	Los Angeles, June 19-22
National Medical Assn.	A. C. Terrence, Opelousas, La.	John T. Givens, 1108 Church St., Norfolk 10, Va.	New York, Aug. 13-16
National Multiple Sclerosis Society	Ralph C. Glock, New York	Miss Sylvia Lawry, 270 Park Ave., New York 17	New York, March, 1956
National Proctologic Assn.	William M. Rohrbacher, Iowa City	George E. Mueller, 50 E. Madison St., Chicago 2	Chicago, Oct., 1955
National Tuberculosis Assn.	Edward T. Fagan, Brooklyn, N. Y.	Mrs. Morrell DeReign, 1790 Broadway, New York 19	New York, May 21-25
Neurosurgical Society of America	Everett F. Hurteau, Akron, Ohio	Lester A. Mount, 700 W. 168th St., New York 32	
Radiological Society of North America	Tom B. Bond, Ft. Worth, Texas	D. S. Childs, 713 E. Genesee St., Syracuse 2, N. Y.	Chicago, Dec. 11-16
Society for Investigative Dermatology	J. Lamar Callaway, Durham, N. C.	Herman Beerman, 255 S. 17th St., Philadelphia 3	Chicago, June 9-10
Society for Pediatric Research	Wolfgang W. Zuelzer, Detroit	Sydney S. Gellis, 330 Brookline Ave., Boston 15	Buck Hill Falls, Pa., May 9-11
Society for Vascular Surgery	George D. Lilly, Miami 32, Fla.	Henry Swan, 4200 East 9th Ave., Denver 7	Chicago, June 10
Society of American Bacteriologists	H. O. Halvorson, Urbana, Ill.	J. H. Bailey, Sterling-Winthrop Res. Inst., Rensselaer, N.Y.	Houston, Tex., May 29-June 3
Society of Biological Psychiatry	Howard D. Fabing, Cincinnati 19	George N. Thompson, 2010 Wilshire Blvd., Los Angeles 57	Chicago, April 28-29
Society of Clinical Surgery	Richard K. Gilchrist, Jr., Chicago	F. F. Allbritten, Jr., Univ. of Kans., Kansas City, Kans.	New Orleans, Nov. 11-12
Society of Neurological Surgeons	James Gardner, Cleveland	Bronson S. Ray, 525 E. 68th St., New York 21	
Society of University Surgeons	Richard L. Varco, Minneapolis 14	C. Rollins Hanlon, 1325 S. Grand Blvd., St. Louis 4	Indianapolis, Feb., 8-10
Southeastern Surgical Congress	Donald S. Daniel, Richmond, Va.	R. T. Beasley, 45 Edgewood Ave. S.E., Atlanta 3, Ga.	Richmond, Va., March 12-15
Southern Medical Assn.	R. L. Sanders, Memphis, Tenn.	Mr. V. O. Foster, Empire Bldg., Birmingham 3, Ala.	Houston, Tex., Nov. 14-17
Southern Surgical Assn.	Carrington Williams, Richmond, Va.	George G. Finney, 2947 St. Paul St., Baltimore 18	Hot Springs, Va., Dec. 6-8
Southwestern Medical Assn.	Joseph Bank, Phoenix, Ariz.	Celso C. Stapp, 800 Montana St., El Paso, Texas	Phoenix, Ariz., Nov. 16-18
Southwestern Surgical Congress	Lawrence P. Engel, Kansas City, Mo.	C. M. O'Leary, 207 Plaza Court Bldg., Oklahoma City	Kansas City, Mo., Sept. 5-7
Student American Medical Assn.	Mr. John Belt, Portland, Ore.	Mr. Russell F. Staudacher, 510 N. Dearborn St., Chicago 10	Chicago, May 4-6
The Endocrine Society	Warren O. Nelson, New York	H. H. Turner, 1200 N. Walker St., Oklahoma City	Chicago, June 7-9
U. S. Chapter, Internat'l Coll. of Surgeons	Arnold S. Jackson, Madison, Wis.	Karl Meyer, 1516 Lake Shore Dr., Chicago	Philadelphia, Sept. 12-15
Western Industrial Medical Assn.	Packard Thurber Jr., Los Angeles 14	Edward J. Zaik, 740 S. Olive St., Los Angeles 14	Los Angeles, April 28
Western Orthopedic Assn.	J. Warren White, Honolulu, T. H.	Ivar J. Larsen, 1133 Punchbowl St., Honolulu 13, T. H.	Honolulu, Nov. 7-10
Western Society of Electro-Encephalography	John R. Green, Phoenix, Ariz.	S. N. Berens, 902 Boren Ave., Seattle	Phoenix, Ariz., Nov. 10-12
Western Surgical Assn.	Michael L. Mason, Chicago	John T. Reynolds, 612 N. Michigan Blvd., Chicago 11	Seattle, Dec. 1-3
Woman's Auxiliary to the Am. Med. Assn.	Mrs. Mason G. Lawson, Little Rock, Ark.	Miss Margaret Wolfe, 535 N. Dearborn St., Chicago 10	Chicago, June 11-15
World Medical Assn.	Antonino Spinelli, Catona, Calabre, Italy	Louis H. Bauer, 345 E. 46th St., New York 17	Vienna, Austria, Sept. 20-26

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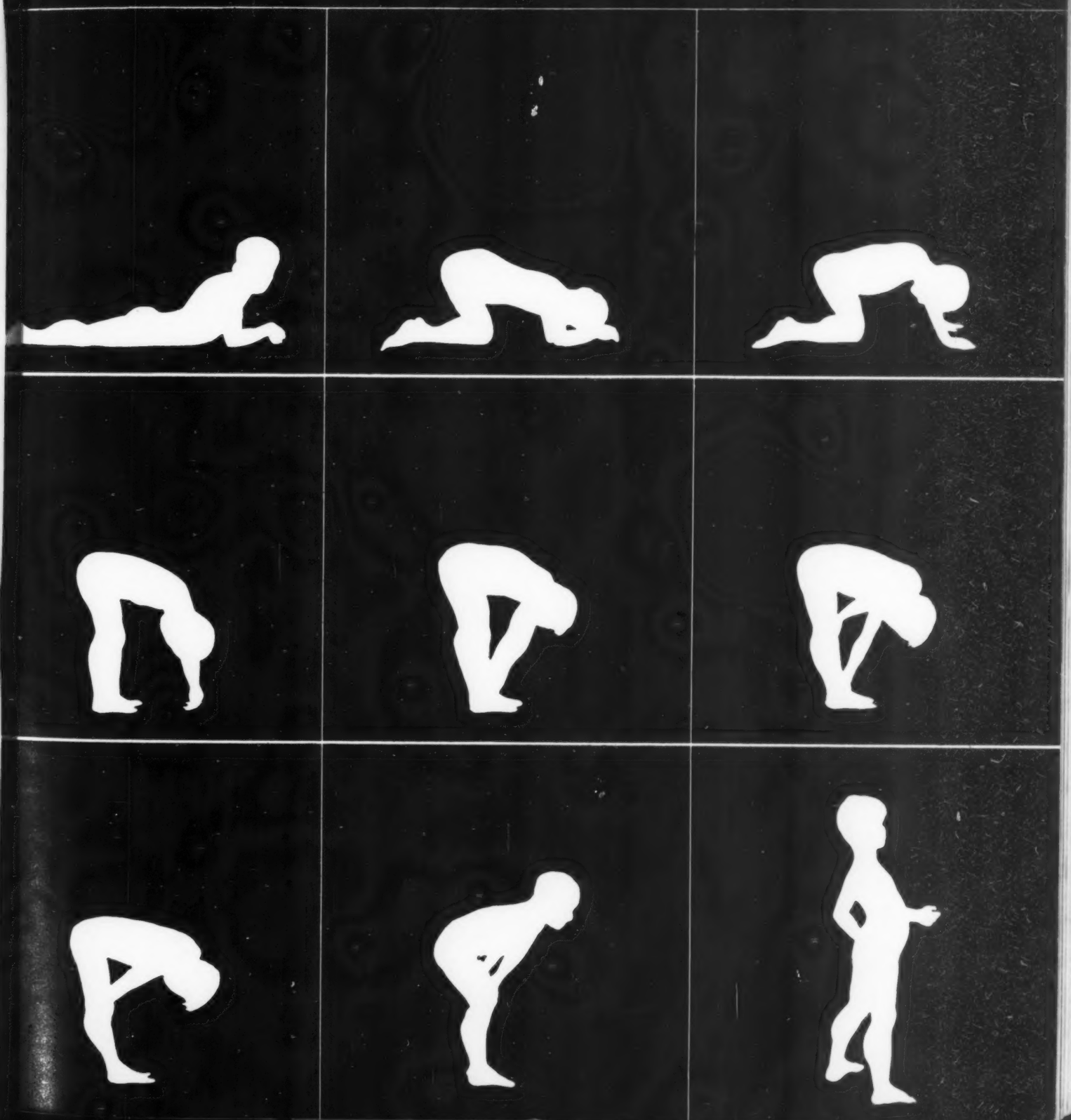
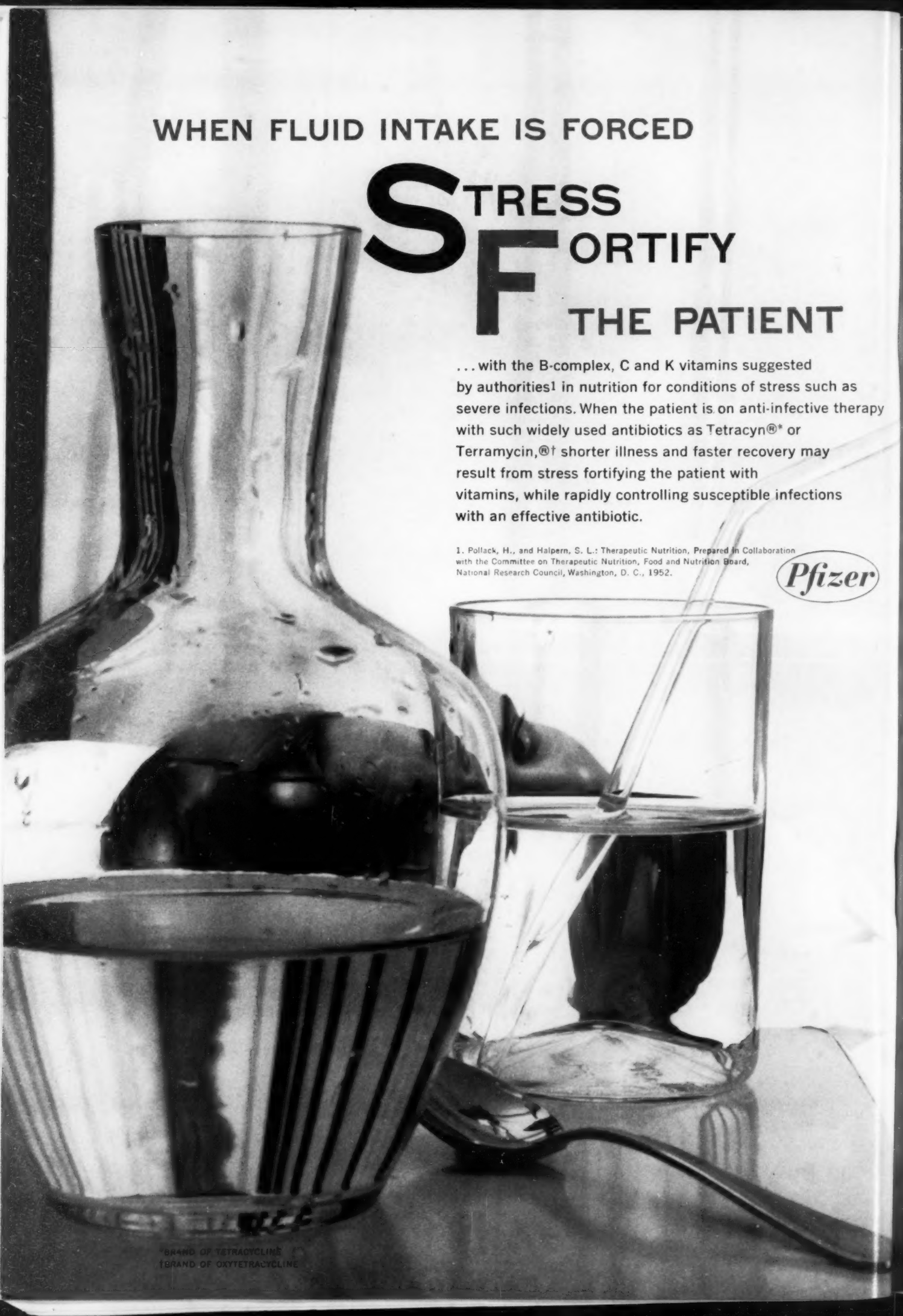
THE MUSCULAR DYSTROPHIES—see page 21

Also this week: The Choice of Anesthetic *and* Rex Morgan, M.D

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1. Pollack, H., and Halpern, S. L.: Therapeutic Nutrition, Prepared in Collaboration with the Committee on Therapeutic Nutrition, Food and Nutrition Board, National Research Council, Washington, D. C., 1952.
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The Muscular Dystrophies

Typical of the child with pseudohypertrophic muscular dystrophy is the marked compensatory lordosis, secondary to flexion of the hip, resulting in turn from weakness of the extensors. The heels may not touch the floor because of contractures.

The Muscular Dystrophies 21
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PICTURE CREDITS
PAGE 23: Photomicrographs courtesy of John T. Ellis.
PAGE 24: From the Presbyterian Hospital in Philadelphia.

Lists of references may be obtained for current SPECTRUM *articles. Please address communications to* PFIZER SPECTRUM, *Medical Department, Pfizer Laboratories, 630 Flushing Avenue, Brooklyn 6, N. Y.*

PFIZER SPECTRUM

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ABOUT 200,000 Americans, most of them children, are severely crippled because of progressive muscular dystrophy. The name of the disease sounds unwieldy, but as A. T. Milhorat (The New York Hospital – Cornell Medical Center) points out, it is descriptive: it literally means a defective state of nutrition of muscles, which becomes more apparent by stages. (Progressive muscular *atrophy* connotes practically the same thing, but medical usage has reserved it for muscular wasting, usually secondary to nervous system disease.)

The essential lesion in progressive muscular dystrophy is degeneration of striated muscle and its replacement by fat and fibrous tissue. All of the skeletal musculature may be involved and, depending upon the clinical form of the disease, one anatomical site more so than another. Heredity is usually important in the incidence of the disease, but otherwise its etiology is still a mystery. Classification depends chiefly on the age at onset, on whether or not pseudohypertrophy is an initial symptom, and on the anatomic distribution of the muscles earliest affected. Regardless of the clinical type of the disease, the patient after a variable number of years becomes a helpless cripple and (in the pseudohypertrophic form) rarely reaches his twentieth year.

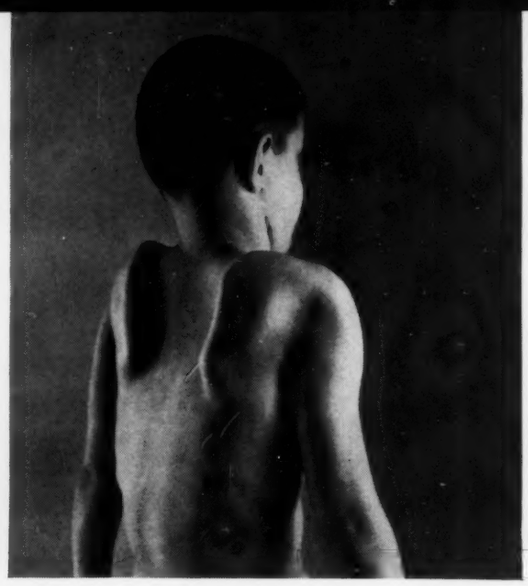
Pseudohypertrophic progressive muscular dystrophy is by far the most common clinical form. The patients are almost invariably boys between 2 and 5 years of age. A common complaint is that the child falls easily and has trouble getting up when he falls. Typical are lordosis, a waddling gait, difficulty in straightening up from a bent-over position and weakness in ascending stairs – with a necessity to drag one foot after another and often to use both hands for pulling on the railing; and all this in spite of an appearance of good muscular development and power. How deceiving muscular dystrophy may be is illustrated by winners of "healthy child" contests who developed symptoms of the disease during the first grade and had to leave school before starting the third.

The Signs Are Obvious . . .

The signs of progressive muscular dystrophy are almost always unmistakable. Weakness is generalized, and when the examiner attempts to lift the child by putting his hands under the armpits, the child "slips through" owing to weakness of the chest and shoulder muscles. Standing up from a supine position is accomplished by what is called "walking up on his legs," as shown on page 19. The boy rolls over on his abdomen, then slowly gets on his hands and knees, keeps his hand on the floor as long as possible and then rises by placing his hands alternately on his knees and thighs until he gradually brings his body into the erect position. In the face of such severe, obvious and symmetric muscular weakness, certain of the muscles appear large (pseudohypertrophy) – for example, in the calves where there is the most typical and prominent enlargement. The child superficially gives an impression of excellent muscular development and power, and on palpation the muscles have a firm consistency; but they are markedly less strong than are the smaller, healthy muscles.

The enlargement is due to fat replacing degenerating muscular tissue. When examined at autopsy the pseudohypertrophied muscle looks like a fatty tumor with little resemblance to muscle. Other muscles, where fibrous tissue has begun to replace the muscle fibers, have a pale translucent

In the shoulder girdle weakness of pseudohypertrophic muscular dystrophy, the child "slips through" whenever the examiner makes an attempt to lift him up.



"Winging" of the scapulae resulting from atrophy is seen above. Note what would seem to be a rather excellent development of the muscles (pseudohypertrophy).

Facial expression with the facio-scapulo-humeral form shows mask-like expression with inability to elevate angles of mouth—*rire en travers* (transverse smile).

appearance upon section; thus the color depends upon the relative amounts of fat and fibrous tissue.

The pseudohypertrophy usually recedes, in time, but wasting and weakness continue inexorably. There are practically no remissions. A patient is generally completely helpless in 6 to 12 years after the first unmistakable signs. Death usually results from involvement of the respiratory muscles or respiratory infection, but is sometimes due to cardiac failure.

. . . *the Clinical Forms Varied* . . .

The facio-scapulo-humeral form differs from the pseudohypertrophic form of progressive muscular dystrophy in being less common (though by no means rare), by occurring as often in girls, and by having its first appearance at about the time of puberty. The presenting complaint is usually weakness of the shoulder girdle with difficulty in raising the arms above the head. There is often a history of the child's inability to close his eyes completely, possibly for several years before puberty, owing to weakness of the facial musculature.

The myopathic facies, with loss of substance around the mouth and a peculiar looseness and even protrusion of the lips, is characteristic. As a rule the patient cannot completely close his eyes even in sleep, and when he makes a strong effort to close them, the examiner can open them with ease. Pseudohypertrophy is not a feature of this form of the disease, but there may be some compensatory (real) hypertrophy of the deltoids. Loss of the trapezius and related muscles causes a pronounced "winging" of the scapulae.

The course is also progressive with eventual involvement of most of the voluntary muscles, but, in comparison with the pseudohypertrophic form, disability is usually mild and compatible with a useful and relatively long life. Here too the disease generally occurs in several members of the same family, being transmitted by a dominant hereditary factor (unlike the sex-linked recessive in the pseudohypertrophic form) which affects both males and females equally.

Progressive muscular dystrophy also includes rarer and less typical examples. The so-called "Erb's dystrophy" is indistinguishable from the facio-scapulo-humeral type except that there is no facial involvement. John N. Walton and F. J. Nattrass (Newcastle-upon-Tyne, England) include it in a third major form which they call the "limb-girdle" form. Age of onset is usually in the middle second or early third decade of life. Initial involvement may occur at shoulder or pelvic girdle. Pseudohypertrophy may occur, and there are seen a typical lordotic, waddling gait and girdle wasting. The rate of muscular wasting varies, but usually the patient is severely disabled and dies when in middle age.

. . . *the Progress Encouraging* . . .

To deal with the disturbed physiology in this group of diseases will require a full understanding of the normal structure and function of muscle; while knowledge to date is incomplete, fairly striking progress has been made in the few years past. All disorders entailing a loss of muscle mass are accompanied by increased creatinuria, although this is not pathognomonic of the dystrophies and in early phases may not even be present. Both iron and cytochrome C seem to show significant variations in muscular dystrophy, although a great deal of clarification is needed. Finally, certain fundamental observations about muscle have been reported, and Albert Szent-Györgyi and his colleagues (Institute of Muscle Research, Woods Hole, Mass.) and other investigators have achieved actual working models of the muscle fiber. The fiber consists of proteinaceous threads, oriented in a certain way and "activated" by adenosine triphosphate (ATP), and extracted muscle proteins have been made to contract, relax, go into rigor, and generally behave like muscle. It would seem that, given an idea of the constitution of muscle fibers

and their mode of chemical operation, the defect underlying the dystrophies cannot be far beyond grasp. The hope has been expressed that this defect may be a metabolic deficiency correctable by replacement therapy, like insulin therapy in diabetes.

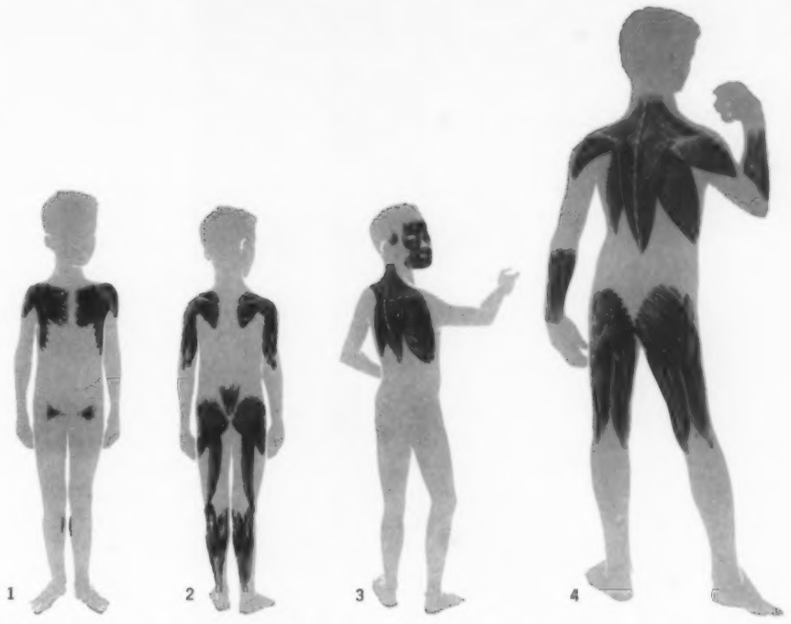
Meanwhile, and practically, much can be done to prolong life and promote the well-being of a patient with muscular dystrophy. As Milhorat has emphasized, one of the important developments is broad-spectrum antibiotic therapy to control respiratory infections, which previously had led to the death of most children with pseudohypertrophic progressive dystrophy. Orthopedic measures which prevent or minimize deformity have great psychologic (as well as economic) value for the patient.

Regular stretching exercises to combat deforming tendencies and strengthen weakened muscles are important. Night supports are occasionally indicated. The patient should *not* be kept in bed for long periods because weakening then progresses rapidly. If the patient has to be kept in bed, muscle-strengthening exercises and measures to prevent contracture should be continued regularly. Corrective surgery is not desirable.

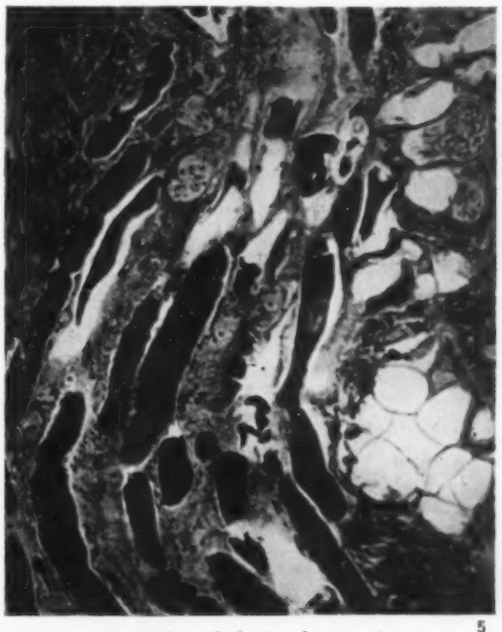
. . . and the Solution Pending

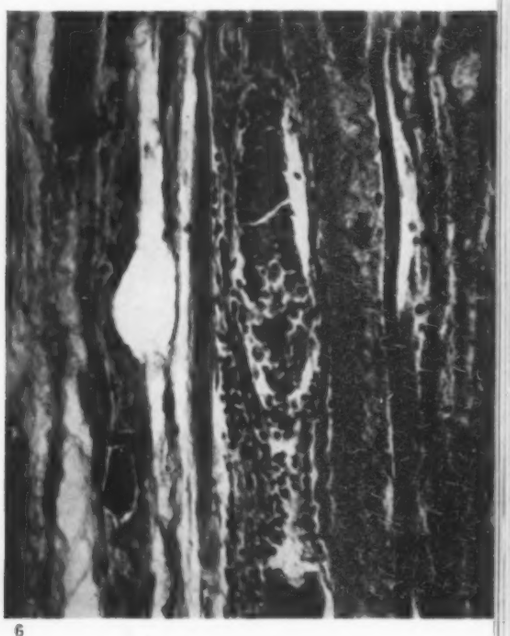
The ultimate solution to this difficult group of problems will depend, of course, upon a fundamental understanding of muscle physiology. Supported and encouraged by the funds (and the determination) of energetic lay organizations such as the Tall Cedars of Lebanon, and through such bodies as the Muscular Dystrophy Associations of America, Inc., many investigators are today devoting themselves to achieving that understanding and that solution. END

The Muscular Dystrophy Associations of America, Inc., can provide valuable information about the whereabouts of special diagnostic facilities, treatment centers, rehabilitation and the like, to physicians who may inquire.



Clinical forms of progressive muscular dystrophy include the pseudohypertrophic (1, 2), the facio-scapulo-humeral (3) and the limb-girdle variants (4). Classification partly depends on the anatomic distribution of the muscles that are earliest affected; the illustrations above show those muscles that are most commonly involved.





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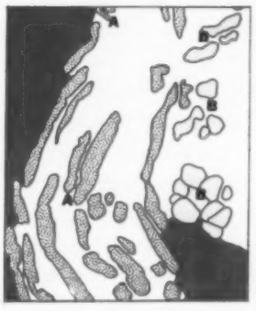

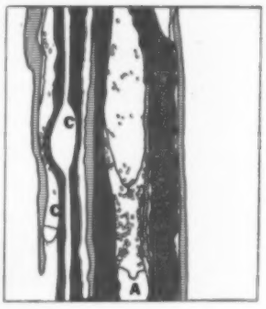

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The essential pathologic changes in the muscles are the same in all types of muscular dystrophy. The most striking feature of dystrophic muscle are the marked variation in the size of individual fibers and the large amount of connective tissue (A) and fat cells (B), which come to replace fibers that have undergone phagocytosis (C) and have disappeared. These features are seen in advanced childhood disease, at left (5, 7), and in rapidly progressive adult disease, at right (6, 8), where the central muscle fiber is disintegrating while those adjacent now are replaced by connective tissue fibers (A). Sensory nerve and motor nerve fiber damage is not part of the primary pathologic change. However, when the muscle fibers reach an advanced state of degeneration only a few axones with clubbed terminations in the connective tissue can be found.

The Choice of Anesthetic

BY THIS TIME the anesthesiologists have acquired such a vast number of powerful agents, old and new, and have embraced certain of them with so much acumen, skill and preference that one cannot always keep apprised of the current trends and judgments and how they have been arrived at. A glance into anesthesiology is therefore a useful sort of stock-taking. It shows, among other things, that anesthesiologists are *not* rushing headlong into daily innovations; they are, on the contrary, exceedingly conservative, though at the same time their resources are enormous. If there is a single opinion characteristic of the specialty, it is: the agent, old or new, is not the thing — what counts is the long familiarity and cultivated skill of the man who administers it.

Today, as always, the simple dropwise application of ether on a gauze mask is a widely practiced and probably the simplest technique of anesthesia. In the hands of nonspecialists (who include a great many nurses) it is probably the safest, and therefore most desirable method. The odor and sensation of ether vapor are notorious and undeniably disagreeable, and induction of anesthesia is comparatively slow, so that it is no mere formality to strap the patient down because of the period of excitement or to worry about vomiting during the induction. Recovery also is slow, and vomiting occurs in a majority of cases, and thus someone must be at hand to prevent aspiration. But the inherent safety of ether is great, despite its inconveniences; it can be used alone to attain any desired depth of anesthesia and relaxation, and it attacks no organ or system. Its few contraindications include an existing acidosis, renal insufficiency and circumstances where increased intracranial pressure might be deleterious. They do *not* include serious respiratory disease, as was long thought, if a full closed-system technique is employed and if secretions can be continuously dealt with; but many still brood about the respiratory irritation it provokes, and would even avoid ether in the presence of a common cold. Ether-and-air mixtures are highly explosive, but few inhalation anesthetics can be safely used near an open flame or spark.

Nitrous oxide is a relatively pleasant anesthetic, but it cannot alone achieve deep anesthesia — *unless* the patient is also deprived of adequate oxygen, when the danger with this "safe" gas becomes extremely grave. Hence nitrous oxide has wide use today as a method of *inducing* an anesthesia in which the real agent is ether. If nitrous oxide alone possessed sufficient anesthetic potency, or could safely be made more potent by supplemental means, it would be a more ideal anesthetic. Attempts to achieve this include the use of nitrous oxide in combination with muscular relax-

ants (curare and its congeners), and so maintain the patient in a truly light anesthesia—barely forgetful, as it were — while the surgical requirements are met by curare. This is a technique for the very expert, of course, but it has been gaining ground because it entails a minimum disturbance to physiology and leaves the patient in the best possible condition (see *Pfizer* SPECTRUM, January 22). The same plan is applicable to other inhalants, but with nitrous oxide it is particularly desirable because the gas unfortunately is such a weak anesthetic when used alone.

Potent, but not Innocuous

Cyclopropane is extremely potent and, as the patient sees it, innocuous. Shortly after its introduction it was regarded as the utmost of luxury in inhalation anesthesia. Because better than 20 per cent oxygen can always be supplied without impairing anesthesia, and any desired depth and relaxation can be reached, cyclopropane can technically be used with relative safety. For reasons of expense and precise control, a closed system is invariably used; merely 200 cc. of the gas is added to the rebreathing mixture now and then, by some esoteric decision of the anesthesiologist. Careful preparation, supervised by him, is mandatory — as with any anesthesia. Aside from notorious operating-room explosions, cyclopropane would seem to approach the ideal agent in the hands of an expert, for it can be given for the most difficult surgery, including operations in the chest and it does not ordinarily disturb respiration, the cardiovascular system, the digestive tract, etc., etc. —except for the unexpected occurrence of cardiac arrhythmias, including ventricular tachycardia and ventricular fibrillation. This may occur at any depth of anesthesia but somewhat more as the patient goes deeper.

This peculiar effect of cyclopropane is blamed in part upon anoxia, excessive carbon dioxide and some reaction from epinephrine and related compounds. Whatever the cause, the result can be sudden death.

Many preanesthetic drugs (chiefly barbiturates) as well as procaine amide or ether administered during the course of surgery have been used to control arrhythmia (morphine in clinical dosage is not effective), and it has even been suggested that a *higher* concentration of cyclopropane might bring the patient out of the danger zone, though this notion has not been adopted. Rather, it is believed that arrhythmias are less common now that lighter anesthesias are being induced with curare added.

Vinyl ether is a superb anesthetic for brief procedures; it is rapid and pleasant, affords fair muscular relaxation, and can be given dropwise as well as by machine. Its limitations include the occurrence of liver damage in patients who have received it for a long time, or repeatedly, and the necessity of continuing with another agent if the operation runs overtime. Ethylene also is rapid and pleasant, and is a fair relaxant, with so little adverse effect on any organ or system that it is the anesthetic of choice for patients on their last legs. Unfortunately, like vinyl ether, it is explosive — and in mixtures with nitrous oxide cataclysmically so.

Spinal Anesthesia

Most of the problems of general anesthesia, and notably that of explosions in the operating room, can be circumvented by using a spinal injection of 5 per cent procaine in the correct volume, placed at the right level, for an operation in the abdomen or lower extremities. Because the patient is not asleep, one has the illusion that the body systems are unimpaired: the fact is that blood pressure will fall, unless specific measures are taken such as giving ephedrine, and this technique is entirely unsuitable for patients with hemorrhage or shock. There is a persistent incidence of neurologic complications, such as spinal cord injury, radiculitis and cauda equina syndrome that can be estimated at about 1 in 1,000 anesthesias. If the anesthesia is carried high enough, respiration is paralyzed, and the patient must then be mechanically ventilated, with endotracheal tube, etc. — all routine matters for the anesthesiologist, but disconcerting to anyone else. Some improvement in control has been achieved with the new continuous spinal anesthesia (or "fractional" anesthesia), which does not rely on a single dose, but introduces a greater risk of meningeal irritation and neurologic complications.

Intravenous Barbiturates

It is also possible to put a patient to sleep almost instantly with any of the several fast-acting barbiturates given intravenously, and it is possible to keep him anesthetized by repeated additional doses. Unfortunately, except following an overdose, muscular relaxation is not usually profound; in fact, reflexes may occasionally be increased and laryngospasm develop so that ideally oxygen and intubation equipment should always be provided. Furthermore, the margin between surgical anesthesia and respiratory depression or even paralysis is not actually wide. In practice, combinations with other agents are often desirable and even necessary in order to achieve adequate levels of surgical anesthesia. The barbiturate may also be used for induction, with another agent then administered for anesthesia. Intravenous barbiturate is also valuable for brief manipulations, like dressing a painful wound.

Much work must still be done to realize the dream of an odorless (or pleasant), nonirritating vapor, injection, or pill—one that causes complete muscular relaxation for surgery, has a wide margin of safety, allows of full requirements of oxygen, damages no system or organ, is under perfect control at all times and permits comfortable wakening. Ingenious, even diabolic combinations of the available materials in the hands of well-versed, careful workers have gone far to approach this ideal. END

Nicholas P. Dallis, author of **Rex Morgan, M.D.**

ABOUT 20 YEARS AGO a medical student named Nicholas P. Dallis invented the absurd idea of a cartoon strip that would be educational as well as entertaining. He called it *The Romance of Medicine* and proposed to begin with a series based on Jenner and the cowpox. It had a dismal reception. Yet today strips that inform as they amuse are found in almost every newspaper and one of them, *Rex Morgan, M.D.*, ranks among the top 10 in adult readership. The author of Morgan's adventures is a 43-year-old Toledo psychiatrist, the same Nicholas P. Dallis.

Morgan is not, of course, the first physician to appear regularly in a cartoon strip, but none of his predecessors achieved the following Morgan enjoyed after he began practice in 70 papers in May, 1948. He now appears in more than 300 newspapers with an average daily and Sunday circulation of nearly 20,000,000 copies.

Production of the Morgan strip is an intricate affair. Dallis airmails 7 days of script to the Publishers Syndicate, in Chicago, where Mr. Marvin Bradley draws the principal figures. The panels are mailed to a Toledo artist, Frank Edgington, for the finishing touches. Then they go to Chicago to be processed and distributed.

The writing of dialogue is somewhat freehand; there is no plot. Dallis writes Mr. Bradley, for example, that "Morgan's next will expose a cancer quack." He hasn't the faintest notion, then, how this will be done. These details are worked out by the author over a cold typewriter, a cup of tepid cocoa and a hot cigarette in the early hours of 4:45 to 7:45 (then hospital rounds in the morning, and office patients 9:30 to 5:30; Thursdays and Sundays are off).

While Morgan's melodramatic trials are more than most practitioners could bear, they are anchored to real and prickly problems that make other strip producers cringe — matters like herb quackery, polio, epilepsy, leprosy and recently a political hotpoker, the lay coroner. To the gratification of the Publishers Syndicate, there has been but one contract cancellation.

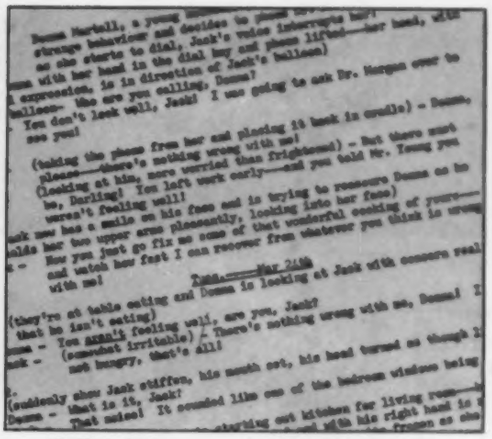
Dallis, who writes under the nom de cartoon of Dal Curtis, has a vast and disorderly file of ideas, many of them from medical colleagues. His mail also includes requests for medical advice and imperious demands that he stop his procrastination and get Morgan married to his nurse, June Gale, "or I will stop reading."

As the Toledo physician labors over his scripts—he also does the Judge Parker cartoon strip continuity — he often stares hard at the opposite wall bearing a framed citation received in 1954 from the American Medical Association. It reads, in part: ". . . he has contributed immensely to public education on many medical subjects and alerted Americans to the dangers of medical quackery."

Rex Morgan, M.D.

MILLIE, I'M AFRAID YOUR TONSILS ARE ENLARGED!
GEE, DR. MORGAN, I HOPE THEY'RE REAL BIG!
WHY DO YOU SAY THAT?
I'D LIKE TO BE A "SPECTRUM" COVER GIRL!
BRADLEY EDGINGTON

Patients, not Morgan, command Dallis' time 9:30 to 5:30 daily

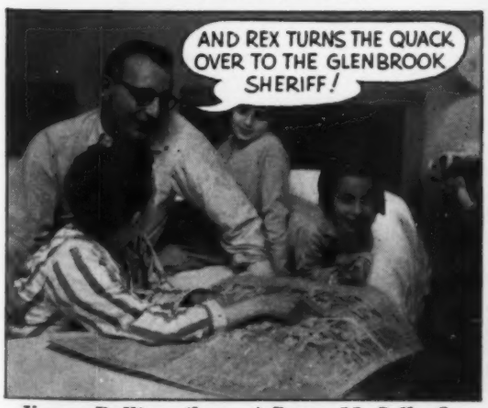


Dallis' dialogue and staging directions resemble film script

Author (left) and artists, Mr. Bradley (center) and Mr. Edgington, confer

Realistic drawings (right) require technical accuracy. Here Dallis demonstrates for artists

Collaborators work out new characters for strip



Young Dallises (l. to r.) Peter, 11, Sally, 9, Carolyn, 7, enjoy Morgan too

Author scribbles ideas on bits of paper by day, types script in pre-dawn while house is quiet

Seen & Heard

—Reports on the news

Hypoglycemia Following Glucose Administration

Chicago — Two hours following ingestion of large amounts of sugar (as in a glucose tolerance test) the blood glucose often falls significantly below fasting levels. H. Necheles, H. Singer and J. Sporn (Michael Reese Hospital) have investigated modifications induced in the oral glucose tolerance test by simultaneous ingestion of gelatin or cream, or gelatin plus cream.

Their studies, conducted in normal human subjects and in dogs, reveal that hypoglycemia 2 hours following glucose ingestion was always averted when gelatin or fat was administered with glucose. Under circumstances such as these, the peak blood sugar levels are also substantially lower. The modification in the curve is attributed to slowing the rate of absorption of glucose when it is given together with other foods.

(Presented at American Gastroenterological Association, Atlantic City, N. J.)

Electrocardiographic Changes in Acidosis

New York — Numerous metabolic factors may affect the electrocardiogram, notably changes in serum potassium. Electrocardiographic abnormalities identical with those seen in hyperpotassemia are observed in acidosis, find J. William Poppell, Kathleen E. Roberts, Parker Vanamee and Henry T. Randall (Divisions of Experimental Surgery and Clinical Investigation, Sloan-Kettering Institute).

In mildly acidotic patients who had normal serum potassium levels the electrocardiogram showed increased amplitude and peaking of the T waves. With severe acidosis there was also a loss of the P wave and widening of the QRS complex. Similar changes were produced in dogs by the infusion of various organic acids, including beta-hydroxy butyric, lactic and gluconic acids. These electrocardiographic abnormalities were found to be completely reversed by the administration of sodium bicarbonate.

Poppell and his associates studied other circulatory changes in dogs rendered acidotic. In the initial milder stages of acidosis, cardiac output increased and peripheral vasodilatation occurred; but when plasma pH dropped below 7.0, the cardiac output fell precipitously and peripheral resistance increased.

(Presented at the American Federation for Clinical Research, Atlantic City, N. J.)

Large Abdominal Tumors In Children

Cincinnati—Wilm's tumor and neuroblastoma comprise the majority of large abdominal tumors in children, but other neoplasms are not uncommon and they must also be considered in differential diagnosis, according to the studies of C. Marshall Lee, J. Roger Newstedt and Stuart H. Siddal (Cincinnati General Hospital and Children's Hospital).

They have reviewed a total of 67 easily palpable or grossly visible abdominal tumors observed from 1945 to 1955. Of these there were 23 instances of Wilm's embryoma (17 proved, 6 probable), 16 cases of neuroblastoma and 28 tumors of other types. These included: 7 hepatic tumors (most common was embryonal carcinoma); 10 tumors of the bowel, mesentery, peritoneum and retroperitoneum (most common was malignant lymphoma); 2 adenocarcinomas of the adrenal cortex; 3 kidney tumors (other than Wilm's); 6 ovarian tumors.

Among this group of 28 patients with miscellaneous tumors certain clinical features were prominent. The initial symptom was pain or mass, or both. The duration of symptoms was less than 1 month in 70 per cent, less than 3 months in 88 per cent. Cachexia was present in only 6 of the 28 patients. Significant anemia was not a prominent finding, only 10 of the 28 having hemoglobin levels below 10 Gm. Thirteen of the children died, 13 survived presumably cured, and 2 others are alive but their future is uncertain.

(Presented at Ohio State Medical Association, Cincinnati.)

In SPECTRUM Next Week

Hemochromatosis — *A clinical picture of skin pigmentation, diabetes and hepatic disease secondary to iron deposition.*
Also: **Intractable Pain; American Type Culture Collection.**

Pfizer ANTIBIOTICS newsletter

Terramycin-streptomycin for pseudomonas — To date it would appear the combination of Terramycin and streptomycin is "one of choice in persistent Pseudomonas infections," states G. Carroll (St. Louis U., Mo.) in the Journal of Urology, 73:609 (Mar.) 1955. After the two together "proved effective in a stubborn case, we administered this combination to 52 patients . . .": 42 were controlled, 34 "remained clinically and culturally recovered." "It is interesting to note that the in vitro sensitivity studies . . . demonstrated no increase in the combination over the individual sensitivity of each drug. However, the blood taken from an individual who has been given streptomycin and [Terramycin] when added to the test tubes with Pseudomonas did cause inhibition. This would suggest that something in the blood augments the . . . action of these drugs."

—Antibiotics Newsletter Vol. V, No. 6

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supplied: STERANE Tablets, scored, 5 mg., in the familiar Pfizer oval shape. Bottles of 20 and 100.
References:
1. Bunim, J. J., et al.: J.A.M.A. 157:311, 1955.
2. Boland, E. W.: California Med. 82:65, 1955.
3. Norred, S. R.: Am. Prof. Pharm. 21:241, 1955.
4. Waine, H.: Bull. Rheumat. Dis. 5:81, 1955.
5. Herzog, H. L., et al.: Science 121:176, 1955.
6. Spies, T. D.: GP, in press.
Pfizer
* Brand of prednisolone

MOTION SICKNESS—

NO RESPECTER

OF HEROES

Bonamine*

HCl

BRAND OF MECLIZINE HYDROCHLORIDE

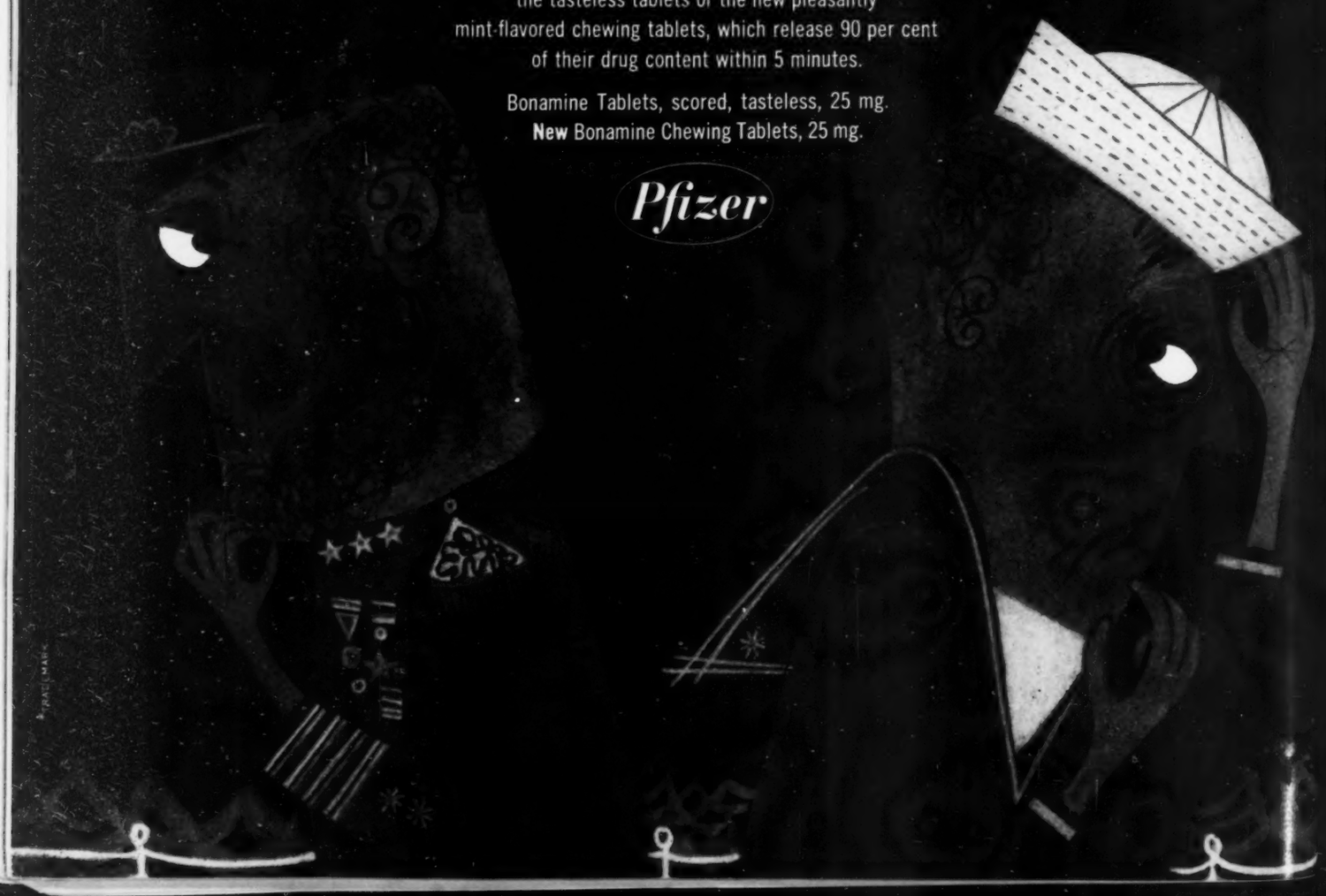
is indicated for almost everyone who travels, whether by land, sea or air. Even fabulous Lord Nelson suffered severely from mal-de-mer, and so may many of your vacationing patients.

The symptoms of motion sickness spoil the pleasure of travel, and sometimes the effects on the convalescent or infirm may be serious.

Insure the pleasure and therapeutic benefits of travel with one dose of Bonamine before starting followed by one or two daily doses thereafter. Effective medication may be administered by either of the two dosage forms, the tasteless tablets or the new pleasantly mint-flavored chewing tablets, which release 90 per cent of their drug content within 5 minutes.

Bonamine Tablets, scored, tasteless, 25 mg.
New Bonamine Chewing Tablets, 25 mg.

Pfizer



VAGINAL TRICHOMONIASIS TRAVELS FROM MR. TO MRS.

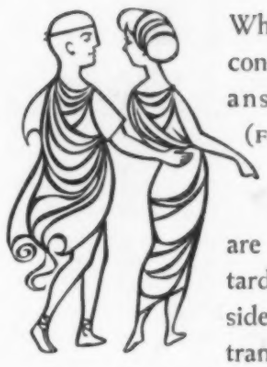
It often happens that the physician's time and skill in clearing up vaginal trichomoniasis are wasted because the husband will re-infect the wife. Fortunately, there is a method of circumventing this endless cycle of re-infection.

Husband often the carrier. "Approximately 39 to 47 per cent of resistant cases are reinfections from the sexual partner."[1] Whittington reports infestation in the male in 27 per cent[2] and Freed in 28.5 per cent.[3] A study of all foci of infection, such as urethra, prostate, seminal vesicles, bladder, kidneys, pelvis and preputial sac, would probably reveal even higher incidence in the male.

Danger without signals. Trichomonads in the male rarely produce symptoms to signal their presence.[4]

Prevent re-infection. Karnaky recommends in recurrent cases that the husband wear a condom during coitus for four to nine months. By the end of this time the trichomonads will usually die out.[5] Davis states: "Use of a sheath by the husband has long been advised during the period a woman is under treatment and should be used permanently if he carries the infection."[6]

Prescribe quality condoms. To eliminate trichomonads "once and for all," take specific measures to win cooperation of the husband. In prescribing a condom, be selective as to quality and take advantage of Schmid product improvements.



When there is anxiety that the condom might dull sensation, the answer is to prescribe XXXX (FOUREX)® skins. Made from the cecum of the lamb, they feel like the patient's own skin, are pre-moistened and do not retard sensory effect. If cost is a consideration, prescribe RAMSES,® a transparent, tissue-thin, yet strong condom of natural gum rubber. SHEIK,® also a natural gum rubber condom, is even more reasonable in price.

Isn't it true that any husband, any wife, in your practice would prefer to hand the druggist your *prescription* for a condom, rather than to ask for it "in public"? This is another instance of diplomacy in medicine to prevent an embarrassing situation. To assure finest quality and earn appreciation for your thoughtfulness, prescribe XXXX (FOUREX), RAMSES or SHEIK condoms by name. Prescribe Schmid protection for as long as *four to nine* months after the wife's infestation has cleared. The protection Schmid condoms afford is the very foundation of re-infection control.

References:

1. Karnaky, K. J.: Urol. & Cutan. Rev. *48*:812 (Nov.) 1938.
2. Whittington, M. J.: J. Obst. & Gynaec. Brit. Emp. *58*:614 (Aug.) 1951.
3. Freed, L. F.: South African M. J. (March 27) 1948, as abstracted in Urol. & Cutan. Rev. *52*:489 (Aug.) 1948.
4. Bernstine, J. B., and Rakoff, A. E.: Vaginal Infections, Infestations, and Discharges, New York, The Blakiston Co., 1953.
5. Karnaky, K. J.: J.A.M.A. *155*:876 (June 26) 1954.
6. Davis, C. H.: West. J. Surg. *63*:53 (Feb.) 1955

JULIUS SCHMID, INC. *prophylactics division*

423 West 55th Street, New York 19, N. Y.

XXXX (FOUREX), RAMSES and SHEIK are registered trade-marks of Julius Schmid, Inc.

Enriched Bread...

in the Ideal Reducing Diet

In reducing, the primary consideration is the establishment of a negative caloric balance as well as the maintenance of an optimal nutritional state in the obese person. For achieving this objective "the ideal reducing diet . . . not necessarily devoid of any food present in the normal diet" includes "meat, poultry, fish, eggs, milk, and other dairy products, leafy green and yellow vegetables, citrus fruits, and enriched and whole grain products . . . all desirable and necessary" foods.*

High in palatability and high in many nutrients, enriched bread helps notably to make the reducing regimen appealing and adequate nutritionally. In so doing it helps "to assure weight reduction without irritability and personality change" as well as "to avoid self defeat due to physical weakness and consequent inactivity."* Furthermore, the "ideal reducing diet" makes for increased likelihood of a permanent change from excessive eating to normal food habits "tuned to self control rather than outright abnegation."

The table presented below shows that 4 to 6 average slices of enriched bread serve to good advantage nutritionally in reducing diets. Providing generous amounts of protein, B vitamins, and minerals, enriched bread goes far toward making the low caloric regimen adequate in these nutrients. Its protein, containing an average of 10.5 per cent of milk protein, functions for growth and repair of tissues as well as for maintenance. Fresh or toasted, or as tasty sandwiches, enriched bread provides eating satisfaction, an essential for making the reducing regimen tolerable.

The nutritional statements made in this advertisement have been reviewed and found consistent with current medical opinion by the Council on Foods and Nutrition of the American Medical Association.

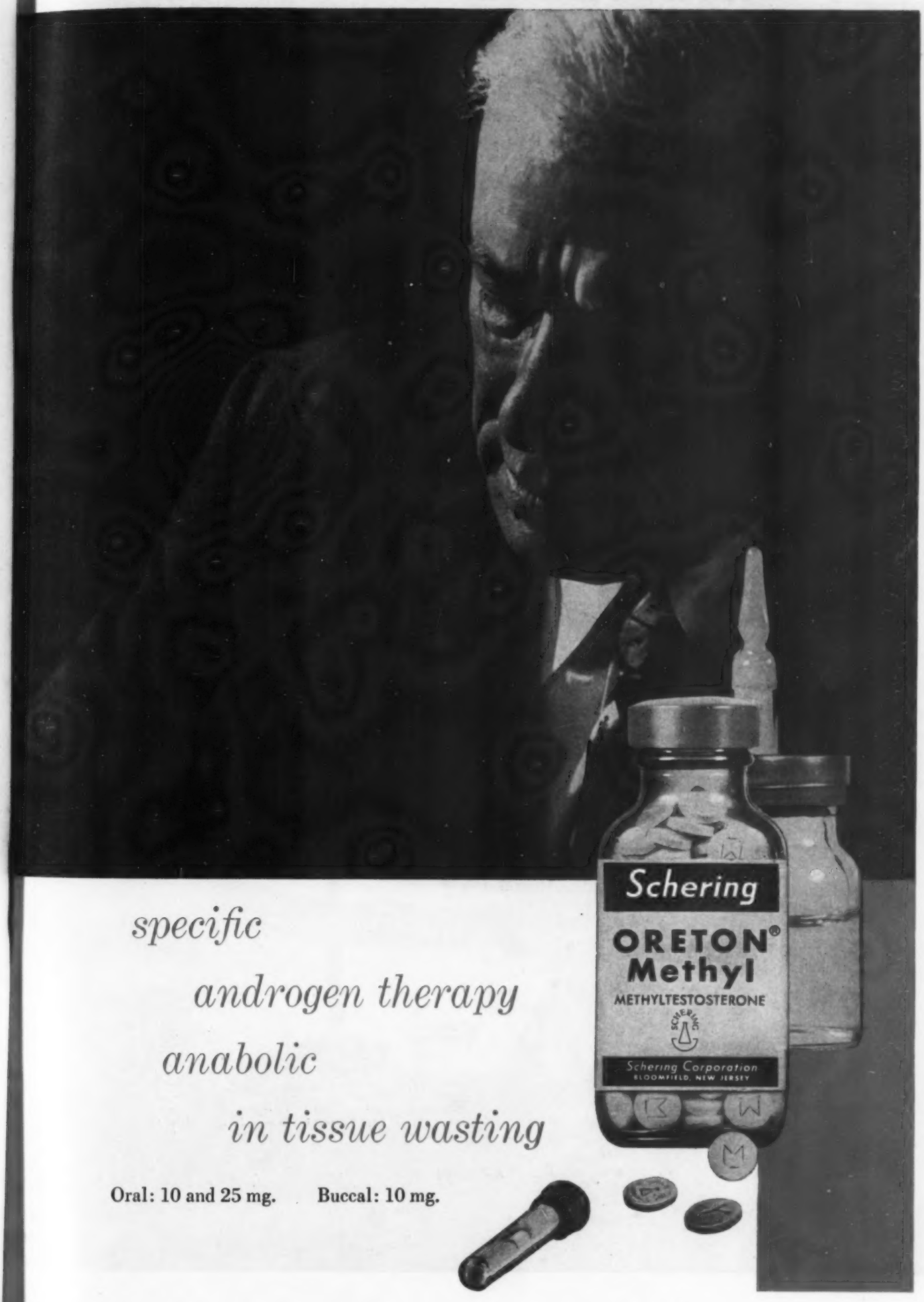
Contribution of 6 Slices of Enriched Bread

	Nutrients and Calories	Percentages of Allowances**
Protein	11.7 Gm.	18%
Thiamine	0.33 mg.	22
Niacin	3.0 mg.	20
Riboflavin	0.21 mg.	13
Iron	3.3 mg.	28
Calcium (average)	122 mg.	15
Calories	379	13

*Berryman, G. H.: Obesity—A Brief Review of the Problem, Metabolism 3:544 (Nov.) 1954.

**Percentages of daily allowances for fairly active man 45 years of age, 67 inches in height, and weighing 143 pounds: Recommended Dietary Allowances, Washington, D.C., National Academy of Sciences—National Research Council Publication 302, 1953.

AMERICAN BAKERS ASSOCIATION 20 North Wacker Drive • Chicago 6, Illinois



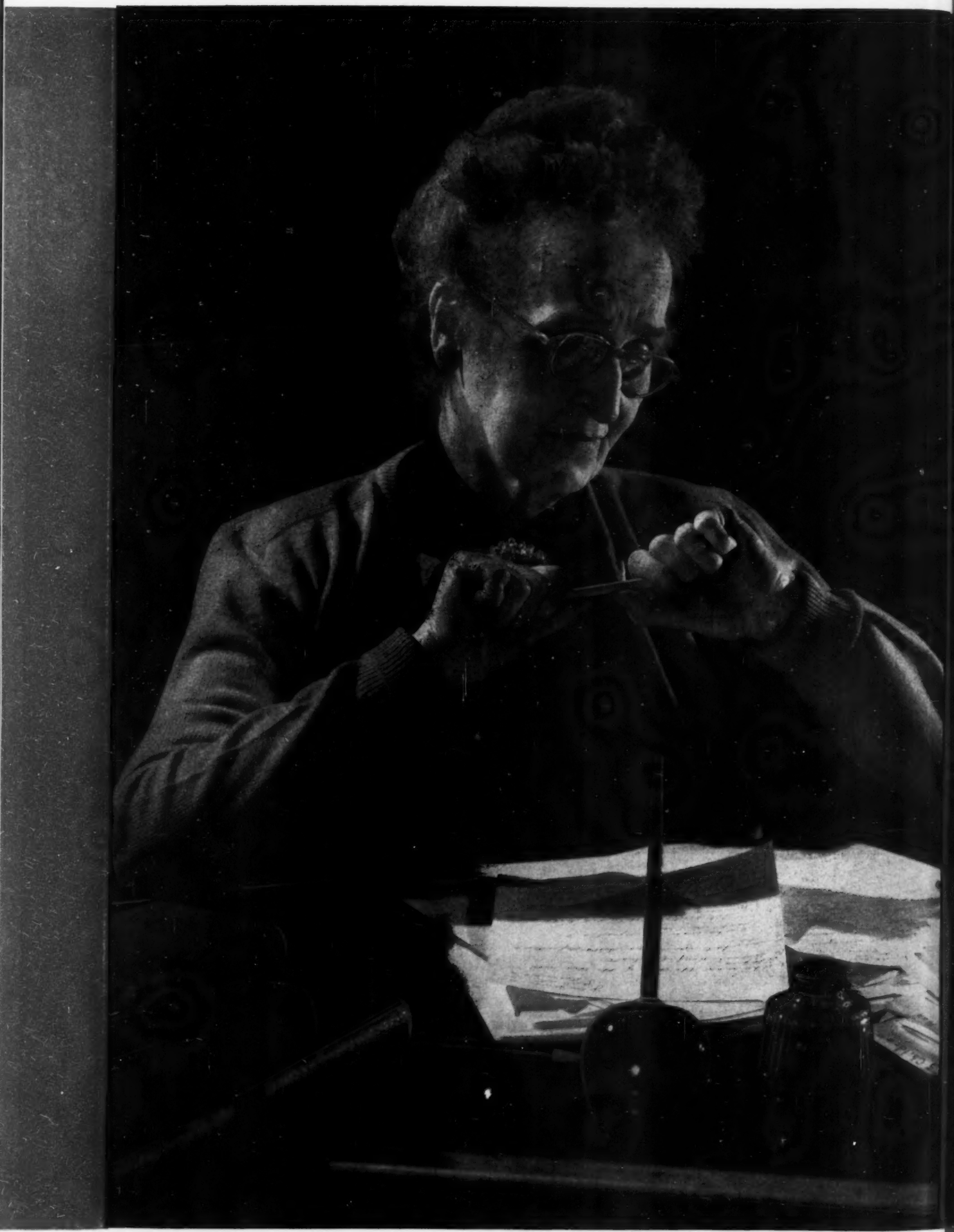
specific

androgen therapy

anabolic

in tissue wasting

Oral: 10 and 25 mg. **Buccal: 10 mg.**



"Intermediate" Sedation in Nervous Exhaustion

"Symptomatic treatment of exhausted and nervous persons may be extremely helpful . . . Sedatives are the most useful drugs in treatment."[1]

BUTISOL® SODIUM

BUTABARBITAL SODIUM, McNEIL

To control nervousness and anxiety during the day and promote relaxation and sleep at night, small doses of Butisol Sodium can be helpful in the anxiety-nervousness syndrome.

Classified as "particularly useful in the field of daytime sedation,"[2] Butisol Sodium is intermediate in action between the fast-acting derivative, pentobarbital, and the long-acting barbital and phenobarbital. . . . Sedation is sustained for approximately five to six hours.[3]

ELIXIR BUTISOL SODIUM
Its bright, green color and refreshing flavor appeal to all; an excellent prescription vehicle. Samples on request.

DOSAGE FORMS:

Elixir Butisol Sodium, 0.2 Gm. (3 gr.) per fl. oz., green.

Tablets, 15 mg. (¼ gr.), lavender.

Tablets, 30 mg. (½ gr.), green.

Tablets, 50 mg. (¾ gr.), orange.

Tablets 0.1 Gm. (1½ gr.), pink.

Capsules, 0.1 Gm. (1½ gr.), lavender.

NEW: Butisol Repeat-Action 30 mg. Tablets.

15 mg. for immediate release and 15 mg. in coated core for delayed action

1. Wilbur, D.W.: Clinical Management of the Patient with Fatigue and Nervousness, J.A.M.A. *141*:1199 (Dec. 24) 1949.
2. Dripps, R.D.: Selective Utilization of Barbiturates, J.A.M.A. *139*:150 (Jan. 15) 1949.
3. Council on Pharmacy & Chemistry: New and Non-official Remedies, 1955, Philadelphia: J.B. Lippincott Co., 1955, p. 329.

McNEIL

LABORATORIES, INC.
PHILADELPHIA 32, PENNSYLVANIA

New study confirms T. E. D. Elastic Stocking Routine SAVES LIVES

In a study of 9,917 hospital patients, the expected incidence of fatal pulmonary embolism was reduced 65% at a cost of about 2½¢ per bed per day.

Conclusions reached earlier—that use of T.E.D. Elastic Stockings significantly reduces incidence of fatal pulmonary embolism among hospital patients—have been amplified.

In new studies at Massachusetts Memorial Hospitals in Boston, T.E.D. Elastic Stockings were applied to *all* patients over 21 years of age admitted to the hospital for more than 24 hours (except in cases of ischemic vascular disease of the legs in which use of the stockings is contraindicated). Data on the incidence of pulmonary embolism was carefully compiled and conservatively interpreted.

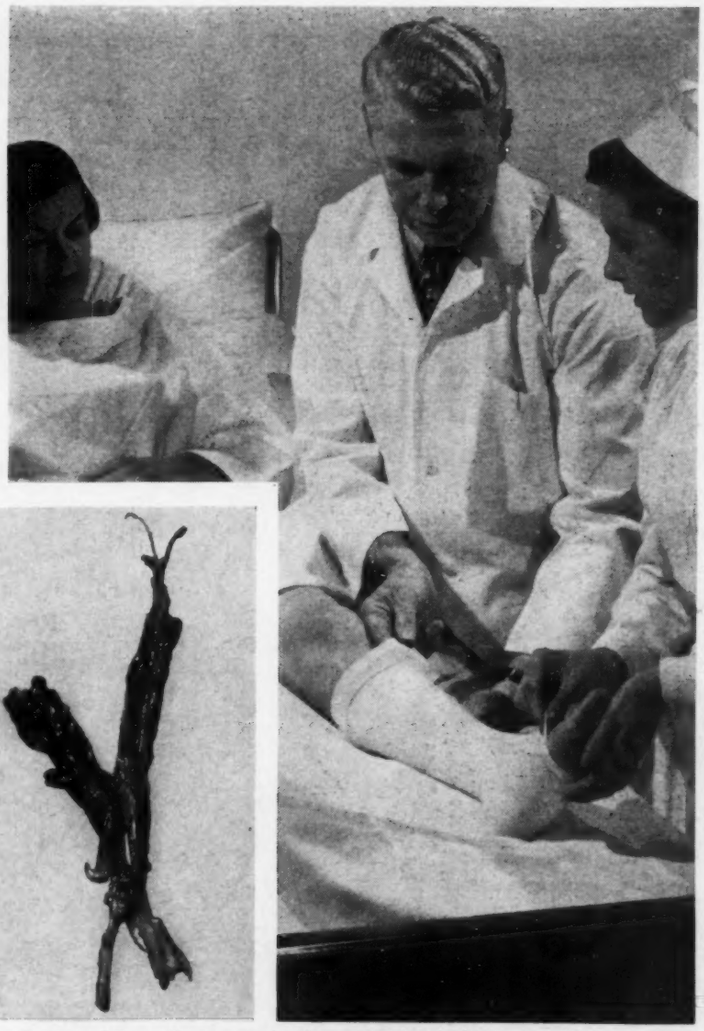
The Result: Expected incidence of fatal pulmonary embolism was reduced by 65%.

The majority of fatal emboli result from circulatory stasis incident to bed rest. In most cases they originate in the deep calf veins of the leg—an area in which prophylaxis is easily accomplished by simple compression of the leg.

T.E.D. Elastic Stockings, a new type of inexpensive elastic stockings, provide this compression efficiently and at low cost. They exert just enough pressure to speed blood flow through the deep calf veins, thus minimizing clot propagation. T.E.D. Stockings were developed exclusively by Bauer & Black in cooperation with Massachusetts Memorial Hospitals.

A complete report of the above study appeared in the New England Journal of Medicine. You may have a reprint of this article for your files by writing to Bauer & Black Research Laboratories, 309 W. Jackson Blvd., Chicago 6, Ill.

(C) 1955 The Kendall Company



Specimen of deep calf veins opened to show ante mortem clot filling peroneal and posterior tibial veins. From such clots fatal and non-fatal pulmonary emboli result. (*Specimen photograph courtesy of Joseph R. Stanton, M. D., Massachusetts Memorial Hospitals and Boston University School of Medicine.*)

COST OF T. E. D. STOCKINGS AVERAGES LESS THAN 2½¢ PER BED PER DAY

The quantity price of T.E.D. Elastic Stockings is only $2.45 per pair. When you furnish 3 pairs per active bed per year the cost averages only 2½ cents per day.

T. E. D.®

ELASTIC STOCKINGS

BAUER & BLACK

Division of The Kendall Company

WHOLE ROOT
Dried, mold free root as imported from India
GROUND ROOT
Material used in preparing crude root tablets
TOTAL ALKALOIDAL EXTRACT
Contains both desirable and undesirable alkaloids of Rauwolfia serpentina
UNDESIRABLE ALKALOIDS
Includes Yohimbine-like variety which are adrenolytic. Not present in RAUWILOID
ALSEROXYLON FRACTION
Selected alkaloidal fraction. Used exclusively in RAUWILOID
RESERPINE
One of the highly active single alkaloids of Rauwolfia serpentina
RESCINNAMINE
Another highly active and desirable alkaloid found in Rauwolfia serpentina

THIS IS *Rauwiloid*®

a preparation of choice in the treatment of HYPERTENSION

RAUWILOID, the alseroxylon fraction of Rauwolfia serpentina, Benth., represents the desirable hypotensive activity of the rauwolfia root. While the hypotensive action of Rauwiloid is observed only in patients with elevated pressures, up to 80% of mild hypertensives respond. Because Rauwiloid contains more than merely a single alkaloid, its action is balanced. Its side actions are minimal, and its dose-response curve is flat.

Rauwiloid, a keystone of therapy in every case of hypertension, is easy to prescribe—merely two 2 mg. tablets at bedtime.

COMPARED WITH CRUDE ROOT

Rauwiloid does not contain the inert dross and undesirable alkaloids (such as yohimbine-type alkaloids) found in the whole root.

COMPARED WITH SINGLE ALKALOIDS

Rauwiloid differs from reserpine, a single alkaloid contained in rauwolfia (marketed under many different brand names), since, besides reserpine, Rauwiloid contains other active antihypertensive alkaloids such as rescinnamine.

RAUWILOID IN COMBINATION WITH POTENT HYPOTENSIVE DRUGS IN MORE ADVANCED CASES

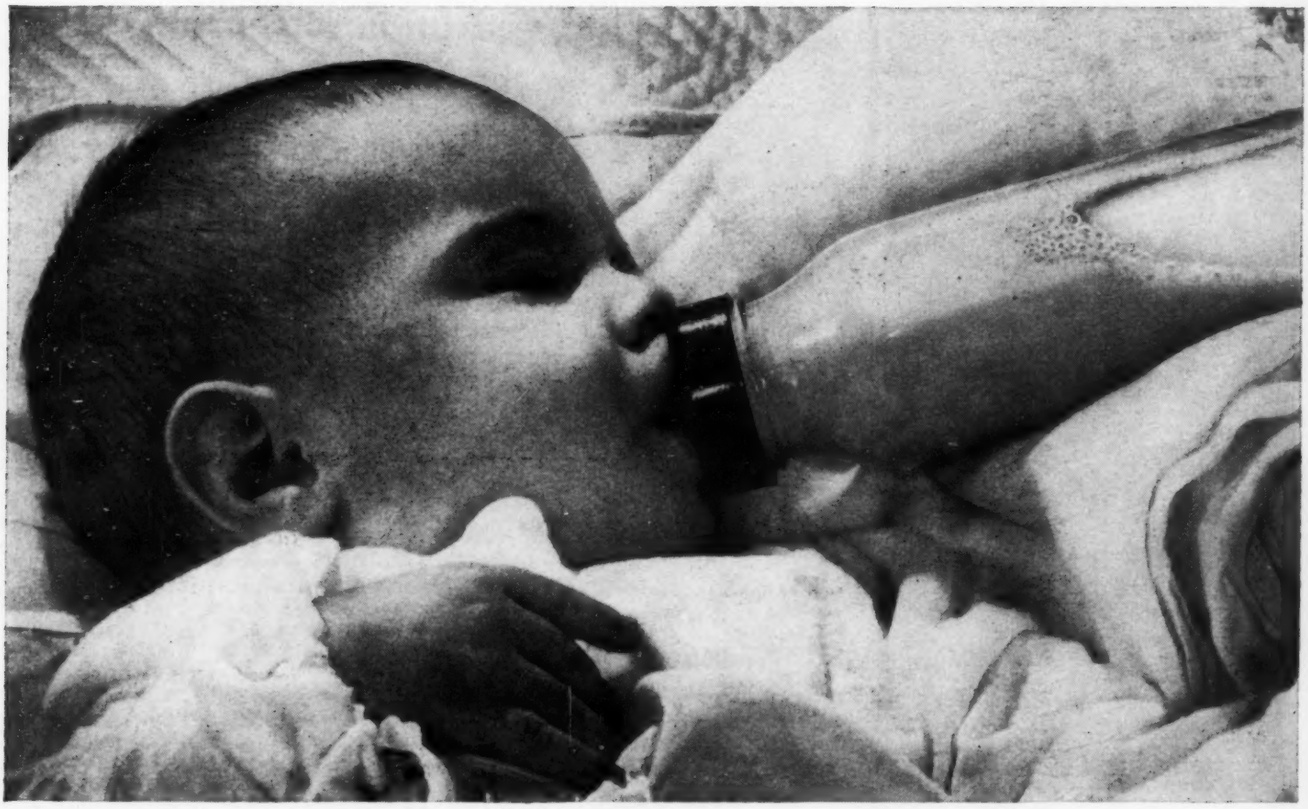
When the symptoms and findings demand more intensive hypotensive action than afforded by Rauwiloid alone, combination with more potent hypotensive drugs—in single tablet form—permits full blood pressure-lowering effect of the potent medication from reduced, better tolerated dosage.

***Rauwiloid*® + *Veriloid*®**
in a single tablet
for moderately severe hypertension. Each tablet contains 1 mg. Rauwiloid and 3 mg. Veriloid (the original alkavervir). Initial dose, one tablet t.i.d., p.c.

Rauwiloid*® + *Hexamethonium
in a single tablet
for rapidly progressing, otherwise intractable hypertension. Each tablet contains 1 mg. Rauwiloid and 250 mg. hexamethonium chloride dihydrate. Initial dose, ½ tablet q.i.d.

Riker LABORATORIES, INC., LOS ANGELES 54, CALIF.

Ideal practice requires periodic adaptation of the *individualized* formula to the growing infant



Karo Syrup . . . a carbohydrate of choice in "milk modification" for 3 generations

With Karo, milk and water in the universal prescription, the doctor can readily quantitate the best formula for each infant. Individual infant feeding assures early adaptation of the most satisfactory milk mixture. A successful infant formula thus *lays the foundation* for early introduction of semi-solid foods.

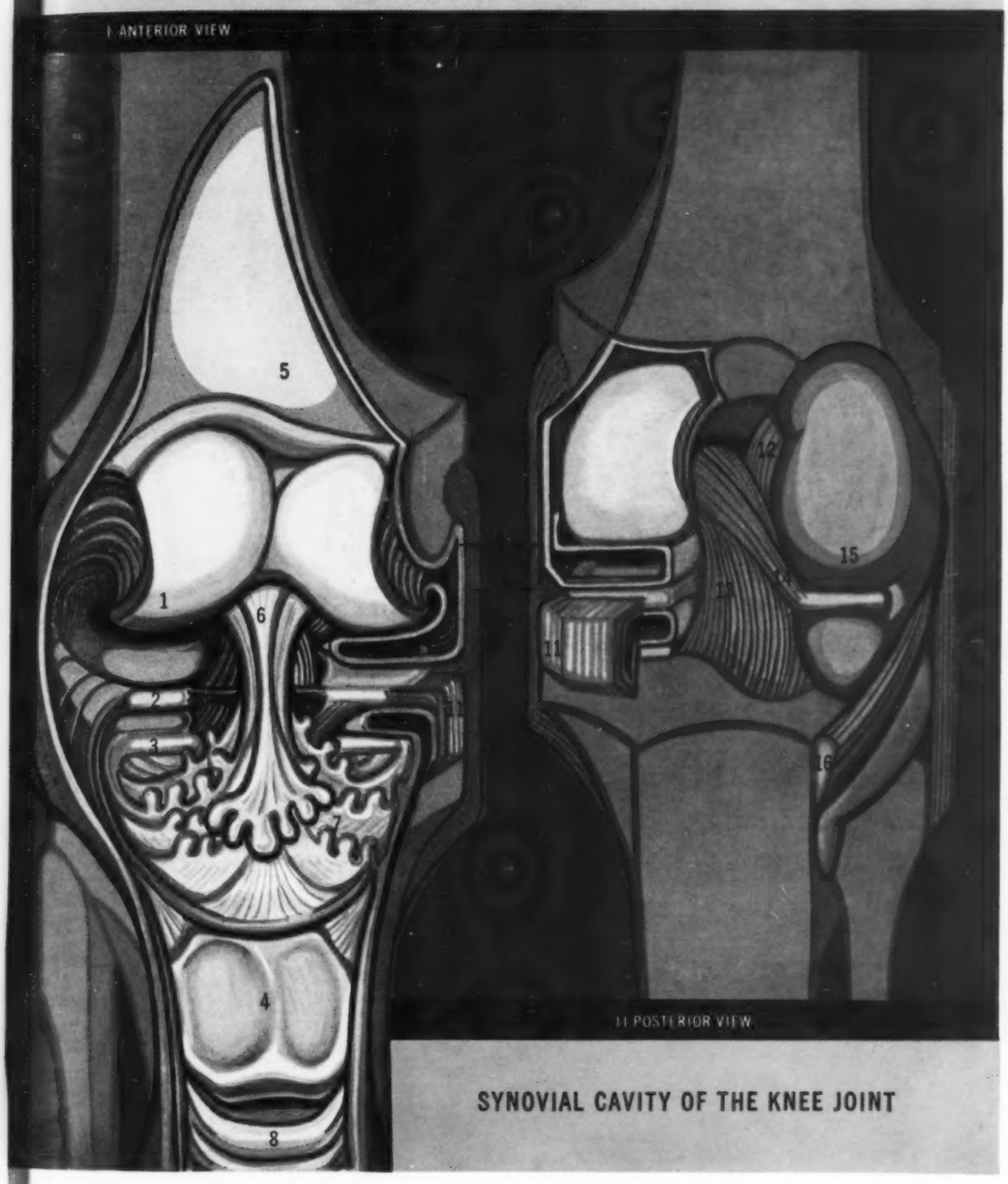
Karo is well tolerated, easily digested, gradually absorbed at spaced intervals and completely utilized. It is a balanced fluid mixture of maltose, dextrins and dextrose readily soluble in fluid whole or evaporated milk. *Precludes* fermentation and irritation. Produces no intestinal reactions. Is hypoallergenic. Bacteria-free Karo is safe for feeding prematures, newborns, and infants—well and sick.

Light and dark Karo are interchangeable in formulas; both yield 60 calories per tablespoon.

Behind each bottle three generations of world literature.

CORN PRODUCTS REFINING COMPANY
17 Battery Place, New York 4, N. Y.

1. Articular surface of femur
2. Lateral semilunar cartilage
3. Articular surface of tibia
4. Patella, reflected downward
5. Suprapatellar bursa, posterior wall
6. Patellar synovial fold
7. Alar folds
8. Suprapatellar bursa, anterior wall
9. Cut edge of medial synovial sac
10. Medial collateral ligament
11. Coronary ligament
12. Anterior cruciate ligament
13. Posterior cruciate ligament
14. Ligament of lateral semilunar cartilage
15. Synovial sac
16. Popliteus tendon



SYNOVIAL CAVITY OF THE KNEE JOINT

This schematic representation of the knee joint synovium is reproduced from Rheumatology Reviews, No. 8, "The Synovial Fluid," a publication of the Medical Department of Geigy Pharmaceuticals. This brochure, and others in the same series, are available upon request.

Geigy

synovial cavity, membrane and fluid

The synovial cavity is a potential space in the normal joint. The synovial membrane lining the knee joint is the most extensive in the body. Articular disease often produces characteristic cytologic and chemicophysical changes in synovial fluid.

objective evidence of antirheumatic action

nonhormonal anti-arthritic

BUTAZOLIDIN®

(brand of phenylbutazone)

relieves pain • improves function • resolves inflammation

In estimating the activity of the rheumatoid process, the serum protein-polysaccharide ratio (PR) has been found a valuable indicator.[1,2] As determined by this objective criterion, BUTAZOLIDIN, like cortisone, manifests distinct antirheumatic properties.[3]

Effect of Cortisone and BUTAZOLIDIN on Clinical Activity and PR in Patients with Rheumatoid Arthritis

Drug	Daily Dose (mg.)	Total Number of Treatment Periods	Clinical Improvement Grade I or Grade II	Significant PR Fall
Cortisone acetate	50-100	21	9	8
Cortisone acetate	101-200	9	6	7
Butazolidin	50-100	14	5	5
Butazolidin	200-300	39	25	27
Butazolidin	301-400	27	23	24
Butazolidin	401-600	2	2	2

"Upon evidence presented it would appear that in many patients with rheumatic diseases an effective dose of phenylbutazone [BUTAZOLIDIN] can be prescribed with a reasonable factor of safety. It is felt that the PR has served as a valuable aid in determining the minimal effective dose of phenylbutazone and in demonstrating its objective value in the treatment of rheumatoid arthritis."[3]

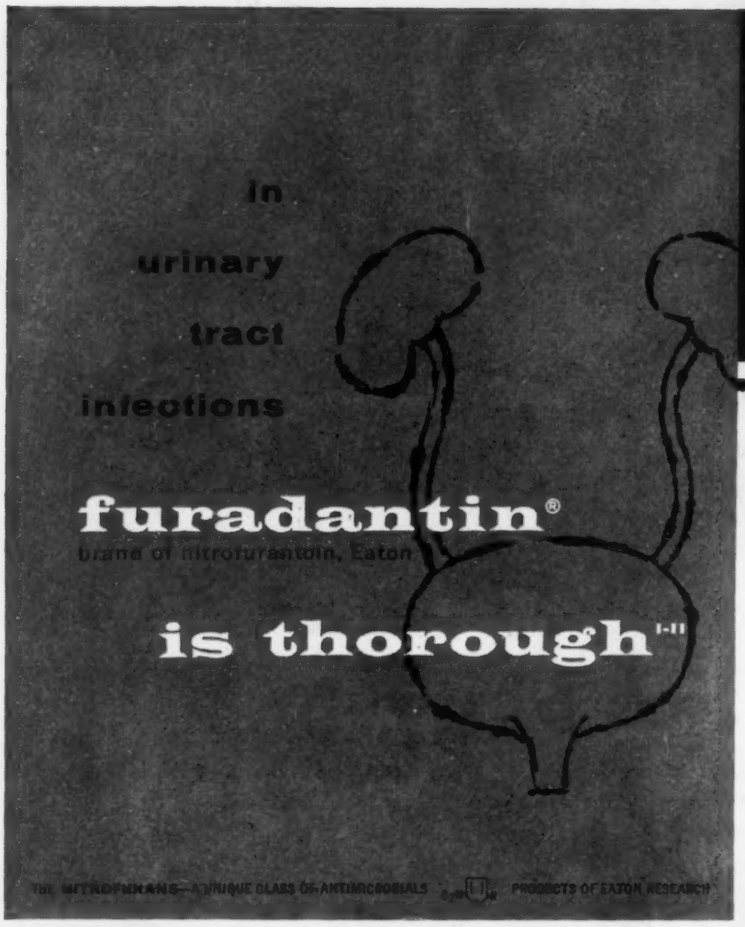
(1) Shetlar, M. R., and others: J. Clin. Invest. *32*:1208, 1953. (2) Payne, R. W., and others: Ann. Int. Med. *41*:775, 1954. (3) Payne, R. W., and others: J. Lab. & Clin. Med. *45*:331, 1955.

BUTAZOLIDIN® (brand of phenylbutazone). Red coated tablets of 100 mg.

GEIGY PHARMACEUTICALS Division of Geigy Chemical Corporation
220 Church Street, New York 13, N. Y.
In Canada: Geigy Pharmaceuticals, Montreal

87255

dial-the-part operation
prestige "look"
prestige name
moderate price
or rental if you like
one of the soundest general utility x-ray investments you can make
PICKER X-RAY
anatomatic
Century II
Picker
X-ray



Furadantin is effective clinically against:

Streptococcus faecalis
Streptococcus pyogenes
Escherichia coli
Paracolobactrum sp.
Proteus sp.
Micrococcus (Staph.) pyogenes
Aerobacter aerogenes
Pseudomonas aeruginosa

...as reported in the literature through 1954.

Furadantin tablets of 50 and 100 mg., bottles of 25 and 100.
Furadantin Oral Suspension (5 mg. per cc.), bottles of 4 fl.oz. (118 cc.).

1. Carroll, G., and Brennan, R. V.: J. Urol. 71: 650, 1954. 2. Abrams, M., and Prophete, B.: Missouri Med. 51: 280, 1954. 3. Ford, R. V., and Maluf, N. S. R.: J. Urol. 72: 959, 1954. 4. Hasen, H. B., and Moore, T. D.: J.A.M.A. 155: 1470, 1954. 5. Mintzer, S., et al.: Antibiotics & Chemotherapy 3: 151, 1953. 6. Anderson, A. S., and Lund, G. W.: J. Lancet 74: 179, 1954. 7. Haex, A. J. C., and Voorspuig, A. J. Z.: Ned. tschr. geneesk. 98: 1357, 1954. 8. Kaplan, J. H., and Hobgood, R.: J. Urol. 72: 549, 1954. 9. Rubin, S. W., et al.: Bull. Dade County M. A. 24: 29, 1954. 10. Schatten, W. E., and Persky, L.: Am. J. Surg. 86: 720, 1953. 11. Draper, J. W., et al.: J. Urol. 72: 1211, 1954.

EATON LABORATORIES
NORWICH • NEW YORK

METICORTEN
PREDNISONE
Schering SCHERING

in rheumatoid arthritis

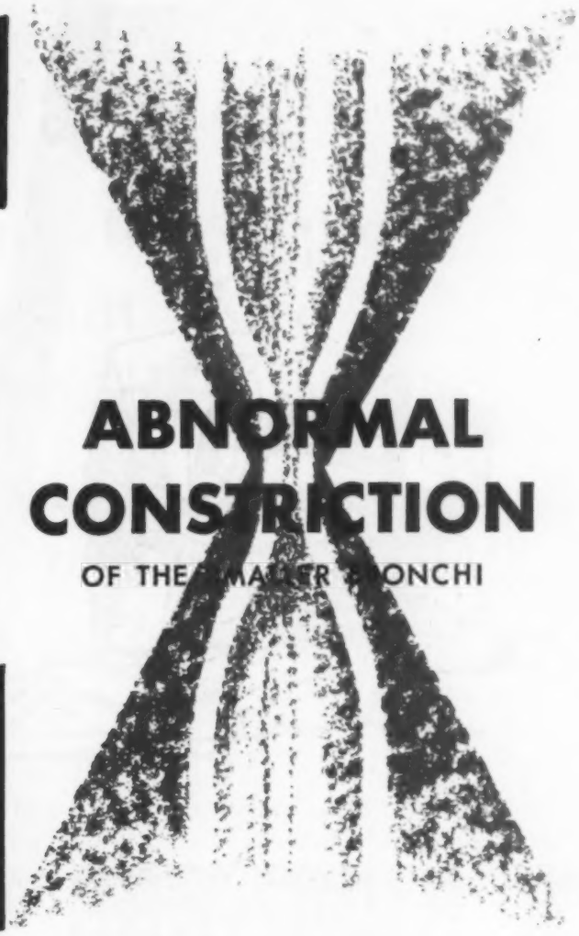
more potent
than other corticosteroids

lessened incidence
of sodium retention
and potassium depletion

*T.M.

METICORTEN,* brand of prednisone.

Many clinicians agree: the underlying mechanism of bronchial asthma is...



In comparative clinical studies, Vaponefrin Solution* proved a very effective bronchodilator in producing marked increases in vital capacity. [1, 2, 3]

*Vaponefrin Solution is a 2.25% solution of bio-assayed racemic epinephrine as hydrochloride, equivalent in pressor potency to 1.25% U.S.P. Reference Standard Epinephrine.

Vaponefrin®

VAPONEFRIN COMPANY • 304 SO. 69TH STREET • UPPER DARBY, PENNSYLVANIA

1. Barach, A. L.: Physiologic Therapy in Respiratory Diseases. Second Edition, Philadelphia, J. B. Lippincott & Co., 1948.
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3. Segal, M. S.: Facts and Fancies in the Management of the Seriously Ill Patient with Bronchial Asthma. Dis. of Chest, 14:795, 1948.

Literature upon request

IN SICKNESS AND IN HEALTH

An electrocardiograph, such as a Viso-Cardiette, plays a *double* diagnostic role in the investigation of cardiac conditions.

When heart disease is present, the contribution of a 'cardiogram to the clinical picture is of indisputable value.

But, often overlooked is its importance in the patient *without* heart disease.

Becoming more and more a part of the general examination, or check up, the electrocardiogram places in the physician's files information concerning the healthy patient that can well be of future value. Not only does it provide a norm or control with which to watch or study any progressive pathological changes, should they occur, but, when heart disease strikes, it is on hand to compare with the new record for information which would not have been otherwise available.

When you make your investment in better cardiac diagnosis by purchasing an electrocardiograph, be sure to consider the extra dividends that a Sanborn Viso-Cardiette will pay in accuracy, simplicity, and dependably continuous service.

Write for descriptive literature and information about a unique, no-obligation, 15-day clinical test plan.

SANBORN COMPANY

CAMBRIDGE 39, MASSACHUSETTS

Latest A. M. A. laboratory report finds that new instant decaffeinated coffee has

"97% or more of the caffein . . . removed"

THE MOST RECENT investigation by the chemical laboratory of the American Medical Association, concerning the caffein content of decaffeinated coffees, has served to reaffirm the results obtained in the laboratories of The Nestlé Company, and to verify the claims made of caffein removal in both advertising and labeling of Nestlé's new DECAF Instant Coffee.

The A.M.A. laboratory examinations show "the equivalent to *97% or more of the caffein being removed.*" In the case of new DECAF Instant Coffee, Nestlé laboratory tests prove this to be a decaffeinated coffee with a consistently low caffein content.

In developing their new Instant DECAF for those many cases where caffein is contra-indicated, The Nestlé Company has succeeded in making two significant improvements in decaffeinated coffees:

1. DECAF provides a more satisfying, full-bodied flavor for the person who does not wish to sacrifice the true enjoyment of coffee in order to avoid caffein
2. In removing *more than 97% of the caffein* from the world's choice coffees, DECAF retains its robust roaster-richness.

The fact that *97% or more* of the caffein has been removed from DECAF coffee has been determined.

DECAF is a new product. The Nestlé Company has always cooperated with the medical profession in every way possible. If you would like samples of this product for your patients who would benefit from giving up caffein or where caffein is contra-indicated, please write us on your letterhead.
Write to: Box—, The Nestlé Company, Inc. 2 William Street, White Plains, New York.

14 different symptoms in 14 different patients
*pointed to a single diagnosis—**depression***

Watts[1] saw varied, ill defined, and apparently unrelated symptoms—such as the ones below—in 14 of his patients:

insomnia—
fainting—
pain in chest—
indigestion—
fatigue—
dizzy spells—
cough—
asocial behavior—
fear of being alone—
weeping bouts—
loss of interest in job—
irritability—
chronic invalidism—
heavy drinking.

For each of these patients he made the same diagnosis: depression.

Watts found—as countless other physicians have discovered—that when he specifically treated these patients for depression, their miscellaneous psychosomatic complaints vanished.

'Dexedrine' Sulfate *Spansule* capsules assist in restoring such patients to normalcy by providing day-long relief from depression, renewing interest and optimism and restoring the capacity for physical and mental effort.

Dexedrine* Sulfate
dextro-amphetamine sulfate, S.K.F.

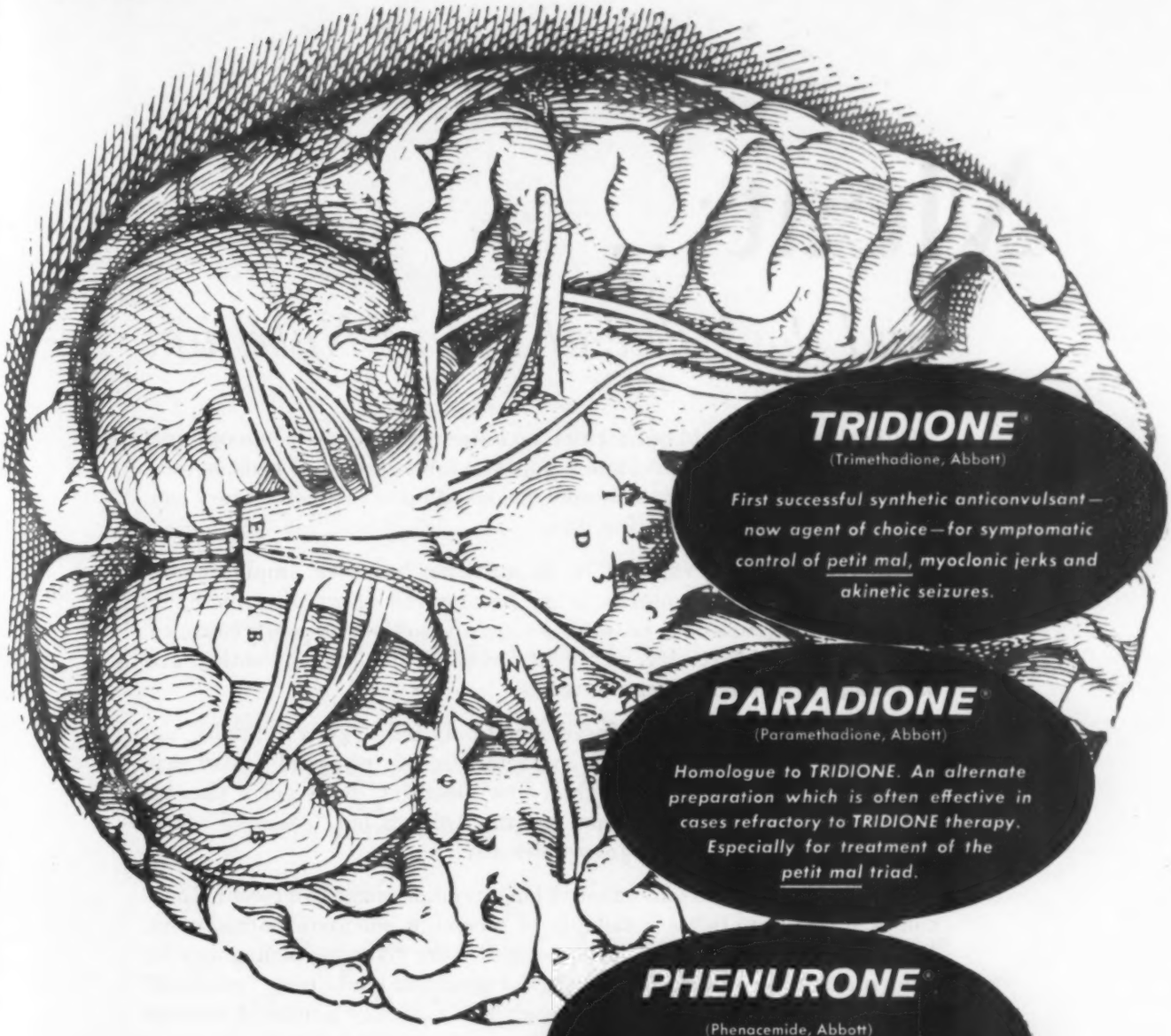
Tablets • Elixir • Spansule* capsules (*brand of sustained release capsules*)

Smith, Kline & French Laboratories, Philadelphia

1. Brit. M. J. 1:11, 1947.

*T.M. Reg. U.S. Pat. Off.

Patent Applied For



TRIDIONE®
(Trimethadione, Abbott)

First successful synthetic anticonvulsant—now agent of choice—for symptomatic control of petit mal, myoclonic jerks and akinetic seizures.

PARADIONE®
(Paramethadione, Abbott)

Homologue to TRIDIONE. An alternate preparation which is often effective in cases refractory to TRIDIONE therapy. Especially for treatment of the petit mal triad.

PHENURONE®
(Phenacemide, Abbott)

A potent anticonvulsant for psychomotor epilepsy, grand mal, petit mal and mixed seizures. Often successful where all other therapy has failed.

—fit your anticonvulsant therapy to the ***specific*** *seizure type*

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The nutritional statements made in this advertisement have been reviewed and found consistent with current medical opinion by the Council on Foods and Nutrition of the American Medical Association.

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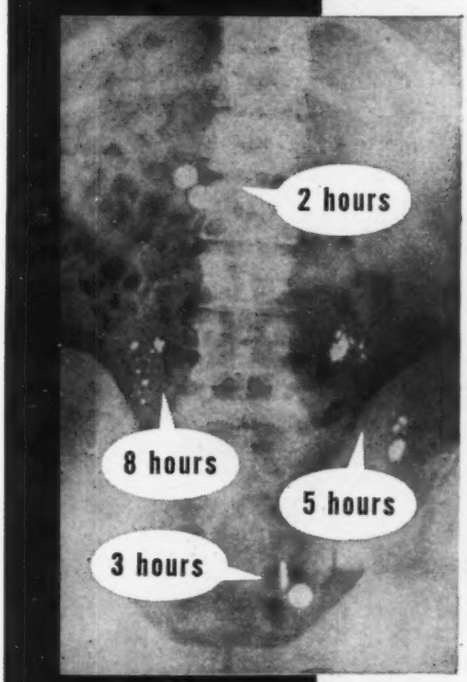

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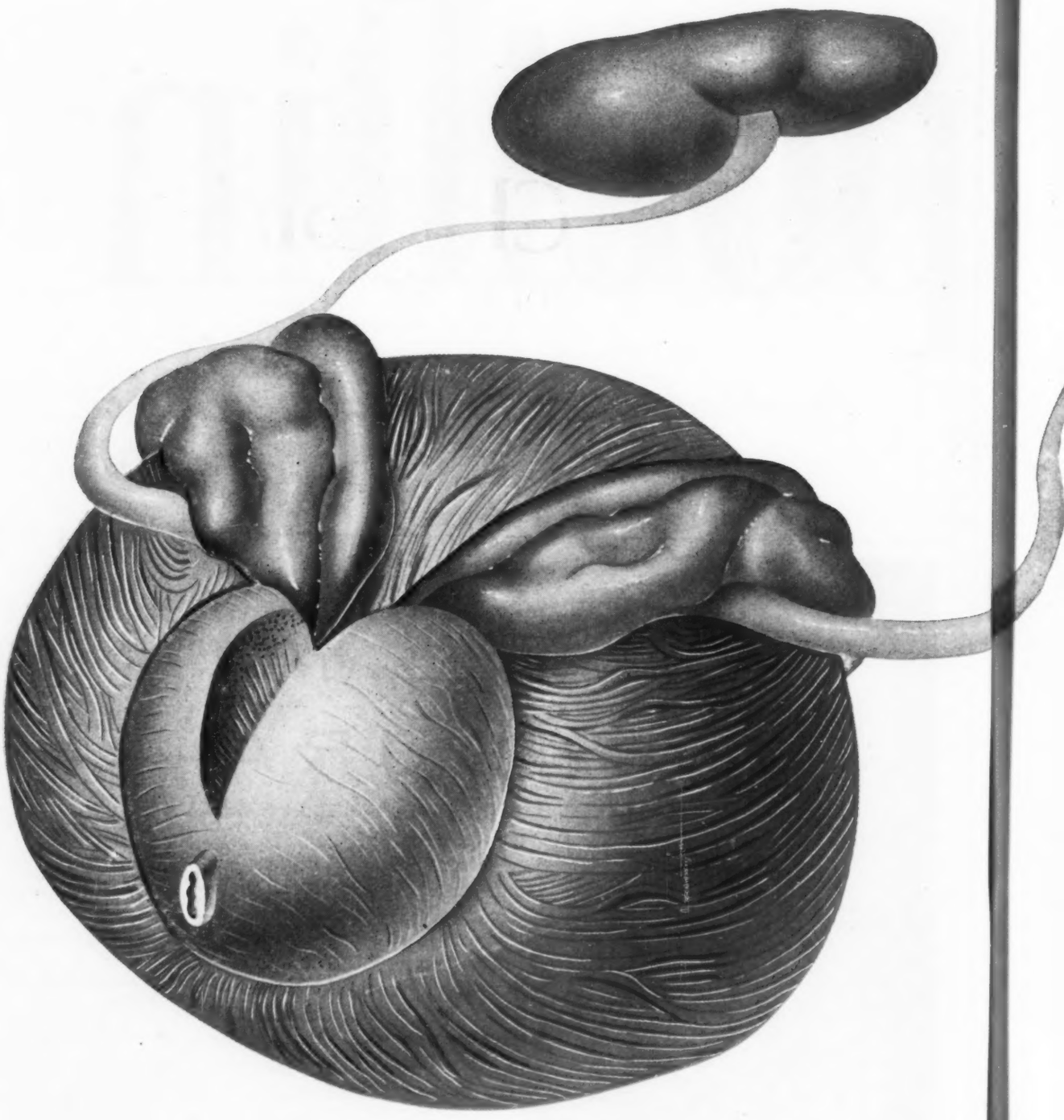

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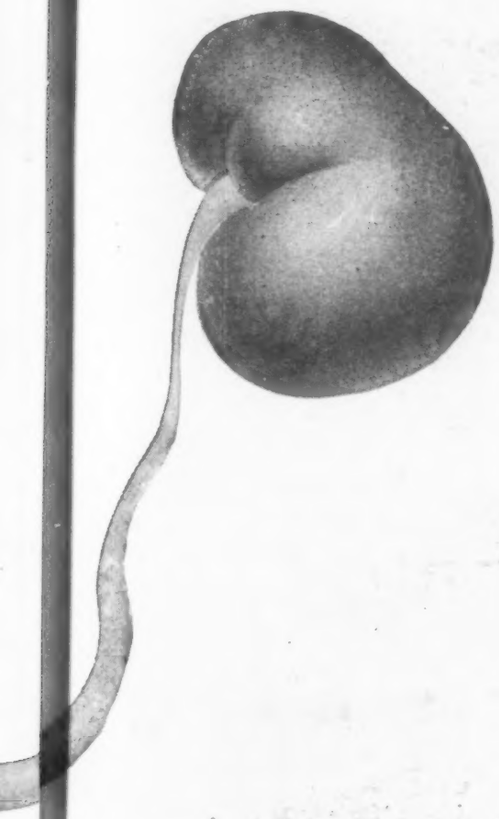

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References (1) Jones, C. P.; Carter, B.; Thomas, W. L., & Creadick, R. N.: *Obst. & Gynec.* **5**:365, 1955. (2) Balch, H. H.: Mil. Surgeon **115**:419, 1954. (3) Altemeier, W. A.; Culbertson, W. R.; Sherman, R.; Cole, W., & Elstun, W.: *J.A.M.A.* **157**:305, 1955. (4) Kutscher, A. H.; Sequin, L.; Lewis, S.; Firo, J. D.; Zegarelli, E. V.; Rankow, R., & Segall, R.: *Antibiotics & Chemotherapy* **4**:1023, 1954. (5) Clapper, W. E.; Wood, D. C., & Burdette, R. I.: *Antibiotics & Chemotherapy* **4**:978, 1954. (6) Sanford, J. P.; Favour, C. B.; Harrison, J. H., & Mao, F. H.: *New England J. Med.* **251**:810, 1954. (7) Sanford, J. P.; Favour, C. B., & Mao, F. H.: *J. Lab. & Clin. Med.* **45**:540, 1955. (8) Felshin, G.: *J. Am. M. Women's A.* **10**:51, 1955.

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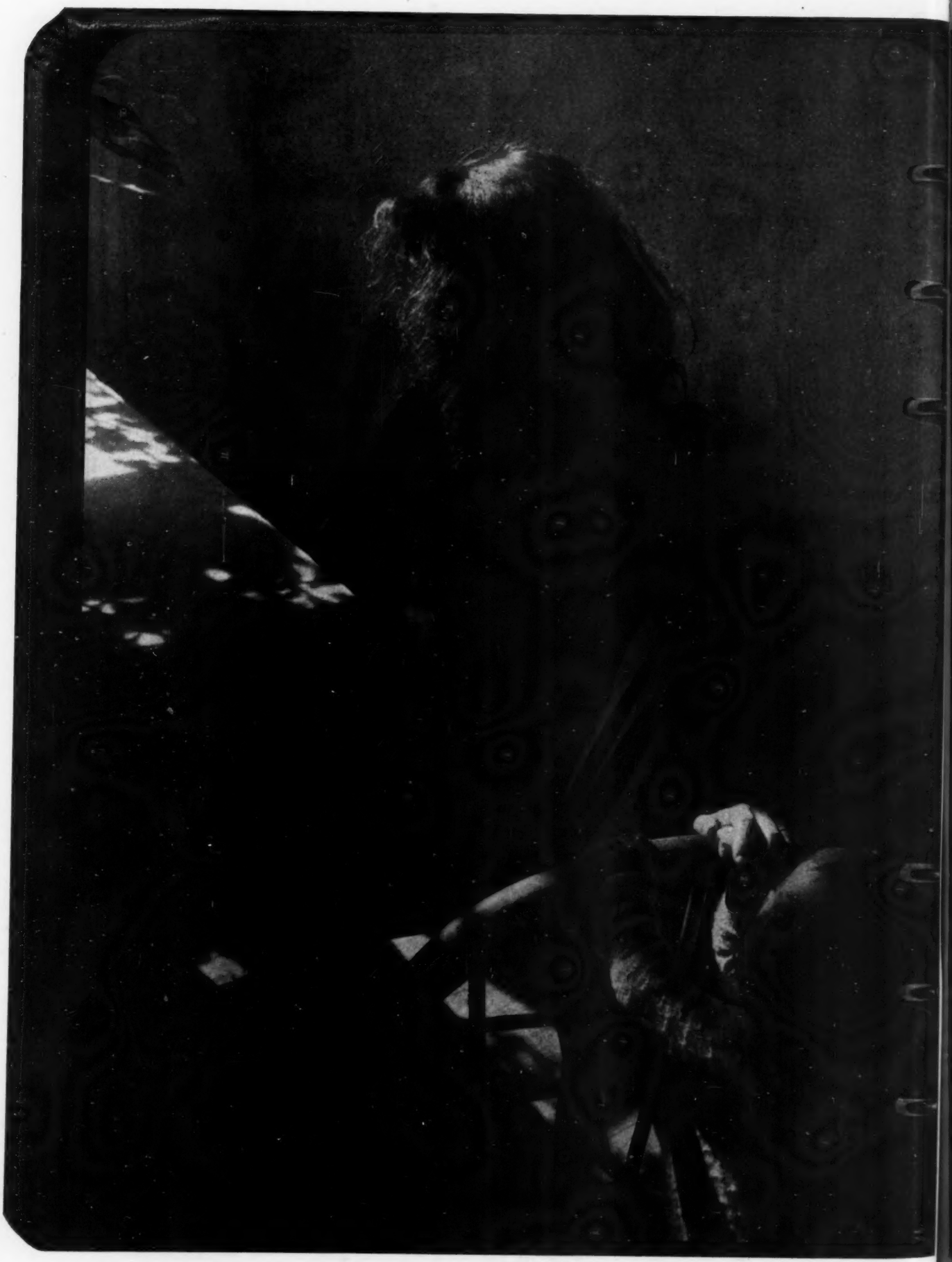

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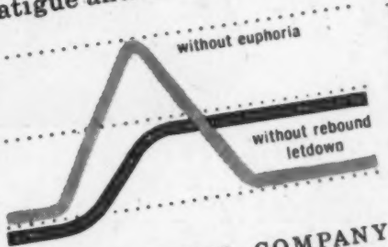

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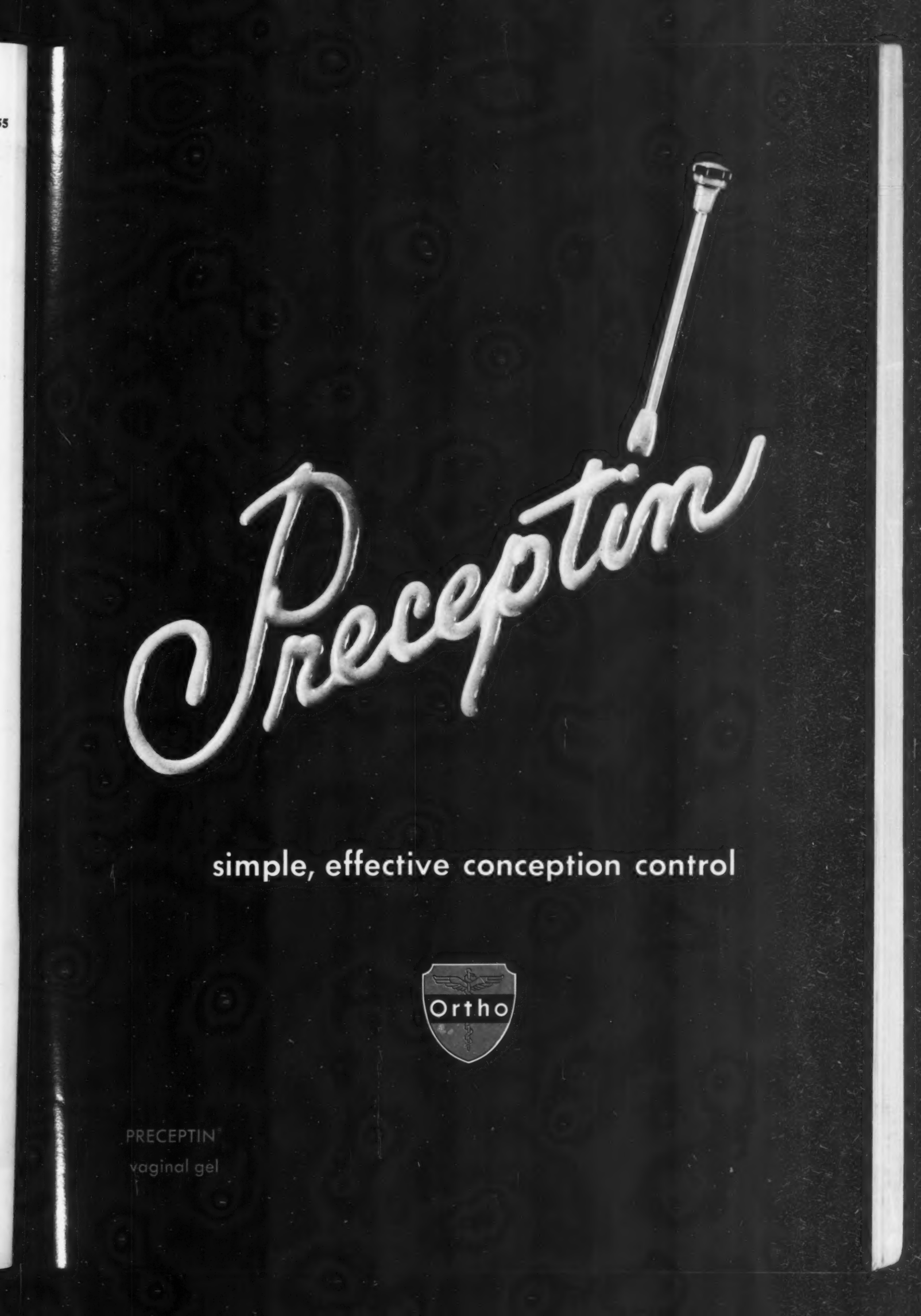
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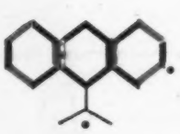

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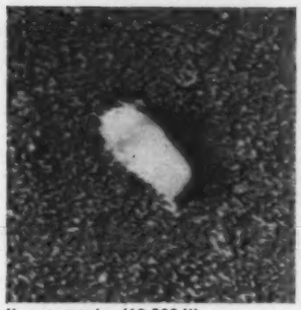

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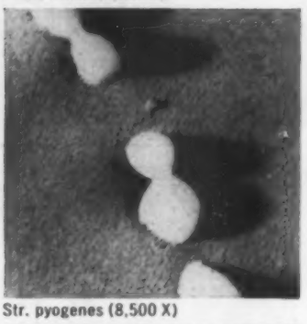

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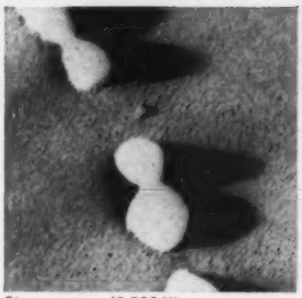

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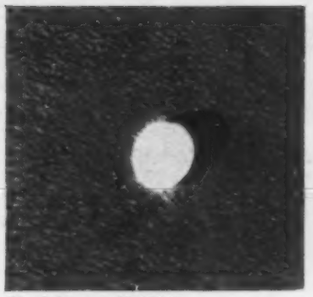

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MEDICAL SCHOOL DEPARTMENT OF GENERAL PRACTICE

Robert A. Davison, M.D., Memphis, Tenn.

The general practice department of the University of Tennessee was developed on the premise that medical schools should give students some actual orientation and experience in the various forms of medical practice. The teaching of all the specialties has been traditional, but general practice, which is the most widely practiced of all fields of medicine, has been totally neglected. The established specialty clinics and medical services within the schools and teaching hospitals are highly departmentalized and in nowise resemble the conditions found in general practice. Further, in years past, the faculty of medical schools had, to a large extent, conducted general practices before specializing, but today practically none have had any experience with this form of medical care. Recognizing this, many medical schools have critically evaluated their curriculums with the purpose of offering some form of orientation and experience in general practice to the student. The specialty departments have developed and grown with the historical growth of the medical school, but there has been no such precedent set for the organization of a department of general practice. This has offered some problems in their establishment and the curricular position they should fill. The resulting curricular changes have included such teaching approaches as preceptorships, family care programs of varying nature and duration, general practice lectures, and general practice clinics.

At the University of Tennessee a large number of our students are interested in going into general practice, and we feel that this interest should be maintained and encouraged. Much too frequently the student enters medical school "social-minded and leaves lesion-minded." He is taught "how to attack a disease but not how to approach a patient." He examines a white female, age 30, gravida 3, para 3, rather than a 30-year-old white mother of three children. He enters medical school with the humanistic desire to treat people and alleviate suffering. He has never thought of patients as other than individuals in a family setting. Yet upon entering school he is soon taught to fractionate this "indivisible individual" into systems of anatomy and physiology, biochemistry and pathology. The patient soon loses her identity in the mind of the student and becomes a complicated and intricate assembly of organs and systems. To say to the new medical school applicant, "We must consider the patient as an individual with a family and social and economic environment" would seem to him a ridiculous stress of the obvious. But by the time he is a senior student he has been so thoroughly "brainwashed" that to consider the patient as other than a fleshy container for pathology too often seems unscientific and inappropriately idealistic. This we now recognize as a glaring danger in our teaching methods. Medical schools have been training medical scientists and biologists rather than doctors. The medical school should be a professional school as well as a technical school.

TEACHING THE FAMILY DOCTOR'S APPROACH

The student must be taught the humanities as well as the science of medicine. He must have firsthand experience in observing and evaluating the home and social environment in which disease finds its initial expression. The modern concept of preventive and curative medicine includes all phases of health and disease. To understand the total illness of a patient one must be familar with the socioeconomic environment in which it found its origin.[1] The family doctor's approach to sickness has been traditionally characterized by including all these factors, well leavened with understanding, compassion, and properly directed sympathy.

Recent trends in teaching at the undergraduate level express an interest in orienting students to the family doctor's approach to illness. Approximately two-thirds of our medical schools have developed preceptorships, general practice clinics, family care programs, and/or lectures on general medical problems oriented to the total medical care situation in an effort to widen the therapeutic perspective of the student. This is a result of a more total concept of illness being recognized by the faculty councils of our medical schools. The basic approach to practice as exemplified by the general practitioner as a family physician is being accepted as a sound and needed therapeutic approach long overdue in its curricular recognition. The family doctor

From the University of Tennessee College of Medicine.
Read before the Section on General Practice at the 104th Annual Meeting of the American Medical Association, Atlantic City, June 7, 1955.
1. Packer, H.: Family Care Programs in Medical Education, South. M. J. 47: 689-695 (July) 1954.

is not to be considered as a special type of medical sociologist who functions as a diagnostic agent for treatment centers elsewhere. He differs admirably and essentially from the almost strictly hospital and office specialist by his family orientation to illness. This difference has always been his birthright. It must be fully recognized that he is also a medical scientist qualified to completely manage 85% of the illnesses to which the public is liable, and the student must be encouraged and trained to properly fill this vital place in American medicine.

GENERAL PRACTICE CLINIC

In September, 1951,[2] the faculty council of the University of Tennessee approved the addition of a general practice clinic to the outpatient teaching curriculum. The attendance at this clinic, which is held during the last two quarters of the senior year, is required of all students. It was physically set up in the outpatient department division and staffed entirely by general practitioners. This gave the students an opportunity to associate with family doctors at the student-faculty teaching level and to observe their approach to patients. The student interested in going into general practice had for the first time a faculty advisor who was familiar with this field of medicine and who could broaden his knowledge and understanding of family medical care.[3]

Clinic Equipment.—The clinic is organized and equipped as a complete and self-contained unit in such a manner as to resemble the diagnostic and therapeutic facilities available in a good general practitioner's office. Separate examining rooms are equipped with examining tables, stools, chairs, and writing desk, permitting the student and patient total privacy during the history and physical examination. If, during the examination, certain laboratory procedures seem indicated, the clinic also has a small laboratory staffed with a technician through which these determinations can be obtained. Determinations not routinely done in the lab, but which may be indicated in the complete evaluation of the patient, are referred to other laboratories in the hospital, much as might be done in actual practice. The student is instructed in numerous diagnostic and therapeutic procedures that lend themselves to office practice. Time is taken in the clinic to observe the student while he actually applies what he has learned in his specialty lectures and clinics. An electrocardiogram is available for diagnostic confirmation on cardiac diseases when desired. A complete x-ray and darkroom unit is in the clinic, and the students are instructed in the taking of radiographs in a manner expected in office practice. A minor surgery room is also equipped for office surgery. Here, the students themselves, under the supervision of the staff, do biopsies, suture lacerations, and perform whatever procedures might be indicated. Diagnostic procedures such as sigmoidoscopy and indirect laryngoscopy are performed by the student when indicated. A microwave diathermy machine is available for indicated cases, and the student is instructed in its proper use. Many other procedures characteristically done in the general practitioner's office are demonstrated to, and done by, the student.

Purpose of Clinic.—One of the objectives of this clinic is to orient the student toward the total problems of his patient and how they bear on the cause of his disability and his response to treatment. An effort is made to make the student patient-oriented rather than disease-oriented. A maximum of 20 patients are selected for the clinic session each day. The selection includes five medical cases, five major or minor surgical cases, five gynecologic cases, three pediatric cases, and two dermatological cases. No effort is made to select patients with purely psychosomatic problems, but a high percentage of them have such conditions as an overlay of their disability. In this manner the student sees a good cross section of the types of illnesses with which the general practitioner is daily confronted. Too, unlike the other clinics, this clinic does not let the student know in advance of clinic hours whether his patients will present pediatric, gynecologic, medical, or other problems. He must correlate his specialty training to the problem at hand and adjust it to the needs of the patient. The student is required to do a complete history and physical examination within approximately an hour on all new patients. This does not include the time required for special diagnostic studies he may wish to do. Patients are given an appointment to return to the same student for follow-up care.

FAMILY CARE PROGRAM

The teaching objective of the department of general practice—the comprehensive medical care of the patient and his family—could not be fully met through the general practice clinic. It did not offer the student the opportunity to practice medicine in the home and to observe the environmental background of his patient's illness. To offset this deficiency, a family care program was added in May, 1952.[4] This program was designed to permit the student to see, live, and practice family medicine by assigning him a family for the last 12 months of his school curriculum. Equipped medical bags are made available to him for house calls, and the general practice clinic functions as his private office from 4 to 10 p. m. daily. He makes appointments with his patients for all examinations and treatments that lend themselves to office management. If necessary, he hospitalizes his patients and follows them while they are in the hospital.

Through these arrangements the student is more than just an observer; he functions in every manner as the family physician. He makes house calls and office appointments, determines the diagnosis, and institutes treatment, all under the intentionally unobtrusive but consistently present supervision of the general practice staff. Great effort is made not to destroy or attenuate the professional doctor-patient relationship established by the student. When the patient accepts the student as his family physician, the student realistically reacts to this

2. Davison, R. A.: A Medical School Department of General Practice: I. The General Practice Clinic, GP **10**:115-121 (Sept.) 1954.

3. Packer H.: Symposium: Extramural Facilities in Medical Education: General Practitioner Supervision, J. M. Educ. **28**:12-15 (July) 1953.

4. Packer, H., and Sanford, C. H.: The Family Care Program of the University of Tennessee College of Medicine, J. Tennessee M. A. **46**: 49-51 (Feb.) 1953. Davison, R. A.: A Medical School Department of General Practice: II. The Family Care Program GP **10**:118-122 (Oct.) 1954.

responsibility with an interest and enthusiasm not seen in his usual outpatient work. He becomes a private physician, keenly interested in all the factors that play a part in his family's medical problems. He becomes more than a medical scientist; he becomes a doctor, schooling himself in the art of medicine.

DOCTOR-PATIENT RELATIONSHIP

One hot day last summer student Eldridge was seeing one case of diarrhea after another in the pediatric clinic. He verbally expressed that he had seen enough diarrhea to last him for the next five years. When he got out of the clinic, a call from his "family" was waiting. The baby in the family had diarrhea. He immediately signed out a medical bag and hurried off to his house call saying, "That's my baby; I delivered it, and there's nothing going to happen to that kid." The small child in student Grogan's family had an accident and was brought into the emergency room. Student Grogan was in class at the time. The child was seen by the intern and the pediatric and orthopedic resident while its mother paced the floor. The child was admitted to the hospital, and the mother continued her restless steps. When student Grogan arrived, she was heard to comment, "Now that Dr. Grogan is going to see my baby and look after him, I can rest in peace. I'll go home and nurse the little one." The intern and residents meant nothing to her, but her family student doctor had developed a relationship that will not be soon forgotten by either. In the back row of the audience at graduation, a mother was seen holding a 6-week-old baby. Our medical-social worker recognized them as student Lunceford's family. She spoke to the woman. The woman explained, "My family doctor is graduating, and he delivered this baby, which was named Emmett Lunceford Jeans after him. When the baby gets older I want to be able to tell him that he went to Dr. Lunceford's graduation." Many such stories and instances come out of our family care program.

Once weekly, during both the 10th and 11th quarters, an informal family care conference is held, at which time the students discuss with the staff the preventive, therapeutic, and rehabilitative medical problems encountered during the course of their functions as family doctors. Smaller quarterly private conferences with a member of the staff are also held. Of course numerous "in the corridor" and "on the street" type conferences occur between the student and staff members. All the conferences and stories encouragingly demonstrate that we are accomplishing a patient-oriented attitude in the student; he is experiencing and learning medicine comparable to that which he will later practice. We feel that one of the important factors in the success of this program is allowing the student to assume supervised but full responsibility for the medical care of his family for a period of 12 months. If the student is allowed to be only an observer of the family environment, as his medical knowledge increases and the family's confidence in him enlarges, both will become frustrated because the student is not permitted to function as a truly helpful family physician. The doctor-patient relationship soon suffers to the point of not existing at all. The student becomes disinterested, and the family loses confidence in him; the whole stimulus for actively learning family medicine is lost. The situation becomes sterile of training value. This is the reason we believe the student should have the opportunity of diagnosing his patients' conditions and of treating his patients through home, office, and hospital arrangements.

FUNCTION AND VALUE

Our department of general practice, staffed entirely by general practitioners who hold university faculty appointments, is a completely autonomous department within the medical school, and credit for all courses offered by the department is required for graduation. The department's function is to supplement, not replace, the specialty teachings. Its value is in correlating and integrating the specialty training of the student in the overall care of the patient. The student comes to recognize the qualified general practitioner as a member of the profession, respected by his medical school as one qualified to teach and hold faculty appointments along with his specialist colleagues. He begins to view general practice as another field of medicine, honorable and worthy enough for his selection. He comes to know the background of disease through observing his patients for a full year in their natural environment. He is given an opportunity to correlate his technical knowledge of medicine with the natural setting of illness and to evaluate emotional problems of both children and adults from the vantage point of the family surroundings, which he comes to know well. He learns through experience the many factors that produce disease and retard healing.

874 Union Ave. (3).

Control of Eclampsia.—Toxemia of pregnancy has now displaced sepsis as the first cause of maternal mortality, and its severity is in some way linked with malnutrition, some of the worst cases occurring in those who are very undernourished; but other matters need consideration as well. The remarkable work reported by Hamlin (1952), from Australia, showing that eclampsia is largely a preventable disease, was partly the result of a most careful control of diet and weight gain in pregnancy; a low-carbohydrate and low-salt diet with a high protein and high vitamin content was an important aspect of the measures that were so successfully taken in Sydney to control this very serious disease. This was important work which showed the benefit that could result from close dietetic supervision of the pregnant woman. It is my view that we do not pay nearly enough attention to weight gain in pregnancy. A gain of 30 lb. (13.5 kg.) in the nine months should be the top limit of normal, and in many cases this figure should be substantially less—very much less if the patient is overweight. Some patients, indeed, should not gain any weight during pregnancy, and for these some reducing diet with sufficient of the essential food factors for the mother and her fetus may be required. Obesity in pregnancy is common enough and not without its dangers, especially if any active obstetrical or other treatment is required. Such patients may be very difficult to examine and, as a result, such conditions as mal-presentations, fetal abnormalities, pelvic tumors and contracted pelvis may be overlooked; the acute abdomen is more difficult to diagnose, anesthesia is more hazardous, and the operation and postoperative care more complicated. For over-weight patients a reduction in calorie intake, mostly by a reduction in carbohydrates, is indicated.—C. S. Russell, M.D., Diet in Pregnancy, *The Practitioner*, July, 1955.

STUDIES OF Rh SENSITIVITY AFTER REPEATED INJECTIONS OF SALK VACCINE

Neva M. Abelson, M.D., Robert M. McAllister, M.D., Arthur Greene, D.Sc.
and
Lewis L. Coriell, M.D., Philadelphia

In the last two years many physicians have been concerned that the repeated injection of Salk vaccine prepared from virus grown in monkey kidney tissue might sensitize the recipient to Rh antigens. Concern has been mainly for the Rh-negative girl who might become sensitized to the **D** factor, which is the most potent of the Rh antigens, but the question of possible sensitization of Rh-positive individuals to other blood factors also can be raised. Wiener [1] has stated that such sensitization could not occur because the Rh antigens in the monkey are slightly different from those in man. This reassurance has not satisfied the majority of physicians, and indeed it need not, for the question is subject to experimental study. Francis and associates [2] quote two investigators who found no Rh antibodies in 32 Rh-negative children (Milzer) and 2 Rh-negative laboratory workers (Frisch) who received poliomyelitis vaccine prepared from virus grown in monkey kidney tissue. This report also is not completely reassuring because injection of Rh antigen does not always evoke an immediate antibody response, though it may later promote erythroblastosis fetalis during a pregnancy with an Rh-positive fetus. The most sensitive method of measuring Rh antigenicity is to inject the material into an individual already known to be isoimmunized and to measure the subsequent antibody response. It is the purpose of this article to report a detailed study of the Rh antigenicity of Salk vaccine.

MATERIALS AND METHODS

The Rh antibody determinations were done by the saline-albumin, trypsinated red blood cell, and Coombs techniques. After the trypsinated red blood cell tests and Coombs tests were completed, albumin was added to determine if any of the reactions would be enhanced by the presence of a protein diluent. All titrations in any one series were carried out by the same technician and read by a second technician. All technicians working on this portion of the project had had at least five years' experience in the blood-grouping laboratory of the Philadelphia Serum Exchange, and their work was known to be reproducible within at least a twofold dilution. Multiple pipettes were used in making serum dilutions. Anti-**D** titers were checked against standards supplied to manufacturers of Rh typing serums by the Division of Biologics Standards of the Department of Health, Education, and Welfare, National Institutes of Health. The titers reported are those obtained with the indirect Coombs method, with the exception of the anti-**E** titers. In this case, the end-points obtained by the Coombs technique were not so clear-cut as the results in saline solution, and the latter are therefore reported. Poliomyelitis neutralizing antibodies were determined in stationary, slanted trypsinated monkey kidney tubes using 100 tissue culture doses of strains of Mahoney, MEF-1, and Saukett.

Field Trial Specimens.—The paired serums of 100 Morris County, New Jersey, children were tested for the presence of Rh antibodies. These children had received, in the spring of 1954, two injections of 1 ml. each of Salk vaccine (lot 506) at 0 and 7 days, followed by a 1 ml. injection of lot 307 vaccine at 35 days. The paired serums tested were the one drawn before vaccination and the one drawn one week after the third injection of vaccine. None of these children showed any Rh antibodies or Hr antibodies in the prevaccination and postvaccination serums. However, as already stated, such examinations do not provide adequate proof of the safety of the vaccine insofar as Rh antigenicity is concerned.

Antigens in Monkey Red Blood Cells.—In production of Salk vaccine, Macaca mulatta (rhesus) and Macaca irus (cynomolgus) monkeys are used interchangeably, because the kidney epithelial cells from both species grow in tissue culture and support the growth of poliomyelitis viruses equally well. Pooled, absorbed human blood serums prepared commercially for blood grouping and Rh testing were found to react selectively with certain of these monkey red blood cells, as shown in table 1. The erythrocytes of 77 animals received from Okatie Farms in the spring of 1954 were tested with different lots of human anti-**A**, anti-**B**, anti-**C**, anti-**D**, anti-**D**^{u}, and anti-**E** serums. Twenty-five additional animals were tested with anti-**c** and anti-**e** serums as well. As the results in table 1 indicate, there were 23 positive reactions with anti-**A** serum, 17 with anti-**C** serum, 16 with anti-**D** serum, and 21 with anti-**E** serum. There were no positive reactions with anti-**B** serum and none with anti-**c** and anti-**e** serums. If the monkey antigens were strictly comparable to human Rh factors, one would expect that at least the **E**-negative and **C**-negative cells would be positive to **c** and **e**. Moreover, many individual raw human serums will agglutinate red blood cells from rhesus and cynomolgus monkeys, regardless of blood group or Rh status. Therefore, results of such blood grouping tests as outlined above cannot be considered specific, and, although many of the blood specimens from monkeys used in vaccine production will cross react with human serums, the antigens, as Wiener [1] has stated, are different from those of man.

From the School of Medicine, University of Pennsylvania (Drs. Abelson, McAllister, and Coriell); the Children's Hospital (Drs. Abelson and Greene); the Woman's Hospital (Dr. Abelson); and the Camden Municipal Hospital, Camden, N. J. (Drs. McAllister and Coriell).

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1. Wiener, A. S., cited by Kumm, H.: The Present Status of Vaccines for the Prophylaxis of Poliomyelitis, Illinois M. J., **106**: 13 (July) 1954.

2. Francis, T., Jr., and others: An Evaluation of the 1954 Poliomyelitis Vaccine Trials: Summary Report (with Appendix), Am. J. Pub. Health **45**: 1-51 (May, pt. 2) 1955.

PLAN OF STUDY

The failure to find Rh antibodies in serums of children who have received Salk vaccine may be due to the absence of significant amounts of Rh antigen in the vaccine. On the other hand, a detectable primary response to Rh factors is not easy to evoke in man. When sensitization is done deliberately in Rh-negative males, repeated injections of blood are usually necessary before antibodies begin to appear, and occasionally an individual fails to develop antibody after many injections have been given over a period of months or even years. However, once a person is sensitized to Rh antigens, the heightened reactivity persists, as with other antigens, even after detectable circulating antibody has disappeared from the peripheral blood. In such cases, subsequent injection of Rh antigen stimulates an immediate recall of antibody. Injection of poliomyelitis vaccine into such sensitized individuals would be a more delicate method of detecting small traces of Rh antigens than trying to detect a primary response.

TABLE 1.—*Reactions of Macaca Monkey Red Blood Cells with Human Antiserums*

Monkey Species	No.	Antiserum A	B	C	D	D^u *	E	c †	e †
Cynomolgus	35	8	0	0	2	0	0	0	0
Rhesus	67	15	0	17	14	0	19	0	0
Total	102	23	0	17	16	0	19	0	0
% positive	..	22.5	0	16.7	15.7	0	18.7	0	0

* Only **D**-negative specimens were tested with anti-D^u serum.
† 25 animals tested with anti-**c** and anti-**e**.

Two different groups of Rh sensitized individuals were available for study. The first group (A) was comprised of two women and six men. The women had been sensitized through blood transfusion and pregnancy and had been sterilized. The men had been sensitized through blood transfusion and subsequent injections of Rh-positive red blood cells. One of the men had had no injections of blood for four years; the remainder of the group had had injections of Rh-positive red blood cells within the preceding year. Four of the eight members of the group were sensitized to **D**; two to **C** + **D**, and one to **D** + **E**. The second group of individuals was composed of 16 men who had received repeated small injections of Rh-positive blood in 1947 to 1948. Thirteen of the 16 were known to be sensitized to Rh factors. Seven were sensitized to **D** and six to **C** + **D**. They had never received **E**-positive blood. Three of the men were not known to be Rh sensitized. These 16 individuals were divided into two further groups (B) and (C). Each group contained eight men. Of the eight men in group (B), two were sensitized to **D** and four to **C** + **D**. Of the eight men in group (C), five were sensitized to **D** and two to **C** + **D**.

Each of the three groups, (A), (B), and (C), received a different lot of Salk vaccine. Three 1 ml. intramuscular injections were given at intervals of 0, 7, and 35 days. Blood was drawn before the first dose and at regular (usually weekly) intervals for at least nine weeks. Vaccines were selected to give information on the product of three companies. The virus for lots 502 and 309 vaccine was grown at the Connaught Laboratories, Toronto, Canada, for the National Foundation for Infantile Paralysis, using a mixture of minced monkey kidney, growth medium, and virus in a Povitsky bottle that was continuously rocked on a shaking machine and harvested at the time of maximal virus yield. The formaldehyde solution N. F. (Formalin) inactivation of virus, testing, and bottling were done at Parke, Davis & Company, Detroit, in the case of lot 502 vaccine, and at Eli Lilly & Company, Indianapolis, in the case of lot 309 vaccine. The virus for lot 202 was grown and processed by the Wyeth Laboratories, Inc., Philadelphia, in bottles containing glass wool that permitted washing of the growing kidney cells three times to remove red blood cells and tissue debris before the seed virus was added to the bottles. This was the first commercially produced lot of Salk poliomyelitis vaccine. In table 2 the protein analysis of these three lots is presented. There were no significant differences among the results for the three lots.

The Rh antibody titers of group (A) before and following vaccination with lot 502 are presented in table 3. Seven of the eight individuals who received lot 502 vaccine still had detectable Rh antibody titers at the time of vaccination. After the injection of the vaccine, there was some Rh antibody rise in all of these individuals. Two showed at least a fourfold rise of anti-**C** titer, and all seven showed at least a fourfold rise to D^u. The one volunteer sensitized to **E** showed a twofold rise in anti-**E** titer, but this difference was within the range of technical error. The rise was most marked in the anti-D^u titers. One individual who received lot 502 vaccine (case 8) had not responded to previous attempts at Rh sensitization with whole blood, and he did not respond following the administration of poliomyelitis vaccine. After the follow-up period each of these volunteers was given a small injection of Rh-positive blood. There was no further detectable antibody response.

TABLE 2.—*Protein Assay of Poliomyelitis Vaccine, Milligram Per Milliliter*

Lot No.	Amino Nitrogen	Total Nitrogen	Nonprotein Nitrogen	Protein Nitrogen
309	0.064	0.216	0.176	0.040
502, sample 1	0.070	0.153	0.147	0.006
502, sample 2	0.070	0.155	0.143	0.009
202, type 1 *	0.058	0.151	0.113	0.038
202, type 2 *	0.065	0.166	0.115	0.051
202, type 3 *	0.065	0.159	0.113	0.046

* The results for lot 202 vaccine are presented on the three separate strain pools. The finished vaccine was made by combining equal parts of each virus type.

None of the eight volunteers who received lot 202 vaccine showed a significant rise of Rh antibody titer immediately following vaccination or in the nine-week follow-up period (table 3). One of the eight volunteers who received lot 309 vaccine had a rise of anti-**C** titer from 1:2 to 1:4, but this small change is not significant; neither is a change of 0 to U (undiluted) (table 3). With lots 202 and 309 vaccine, therefore, there was no evidence for the presence of Rh antigens. However, some explanation is necessary for the apparent response to lot 502 vaccine. This response might be due to the presence of Rh antigen in the vaccine, or it could be an anamnestic reaction. The latter explanation is made more likely by the fact that the group of volunteers used

for testing lot 502 vaccine had been more recently sensitized than the other two groups, and most of them still had fairly high Rh antibody titers at the time they were given the poliomyelitis vaccine. As shown in table 3, these individuals developed a rise of Rh antibody only for antigens to which they already had circulating antibodies at the time the vaccine was given. The antigenicity of lot 502 vaccine was therefore retested by giving a series of three injections of this vaccine to each of the 16 volunteers who had previously been given lots 309 and 202 vaccine. Each of the 16 men received 1 ml. of lot 502 vaccine on Feb. 10, Feb. 17, and March 17, 1955. Blood was drawn for antibody determinations on Feb. 10, March 10, and March 31, 1955. All tests were negative for antibodies or only weakly positive, and there was no significant rise of antibody titer.

stimulus. Note also the anamnestic response to **C** in the two men who had previously had anti-**C** titers. Though the blood given was **E** positive, no anti-**E** agglutinins appeared in this group, which had not previously received **E**-positive blood. Another previously sensitized man, with a residual anti-**D** titer of 1:8, was given a series of five injections of lot 502 vaccine over a six week period. His anti-**D** titer varied between 1:8 and 1:16 over this period. After a one month rest period, he was given 0.25 ml. of **D**-positive blood. His anti-**D** titers two and three weeks later were 1:128 and 1:512, respectively, showing that he, too, was capable of responding to the specific antigenic stimulus, though he did not respond to injection of lot 502 vaccine.

Additional studies with lot 502 vaccine were designed to show whether repeated injection of the vaccine, while

TABLE 3.—*Rh Antibody Production in Three Groups of Rh Negative Recipients of Various Lots of Salk Vaccine* *

Case No.	Date	Previous Anti-Rh Titer, End-Point				End-Point of Anti-Rh Titer at Vaccination				Maximal Anti-Rh Titer After Vaccination				Maximal Anti-Rh Titer After Blood Injection			
		C	D	Du	E	C	D	Du	E	C	D	Du	E	C	D	Du	E
Lot 502 (Group A)																	
1	3/11/54	64	512	0	0	32	256	8	0	256	512	256	0	32	1,024	128	0
2	8/ 7/51	0	256	0	0	0	32	4	0	0	128	32	0	0	128	32	0
3	3/10/54	128	1,024	0	0	16	2,048	256	0	64	4,096	1,024	0	128	4,096	1,024	0
4	4/20/54	0	512	0	64	0	256	64	64	0	1,024	256	128	0	1,024	256	64
5	3/30/54	0	1,024	0	0	0	512	32	0	0	2,048	1,024	0	0	2,048	512	0
6	3/11/54	0	512	0	0	0	512	64	0	0	2,048	256	0	0	2,048	256	0
7	7/ 9/54	0	32	0	0	0	64	U	0	0	64	8	0	0	32	4	0
8	4/21/54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lot 202 (Group B)																	
9	3/19/48	U †	U	..	0	0	0	0	0	0	U	0	0	...	...	...	...
10	.....	0	0	..	0	0	0	0	0	0	0	0	0	...	...	...	...
11	1947-1948	0	0	..	0	0	0	0	0	0	0	0	0	...	...	...	...
12	3/ 5/48	U	U	..	0	0	0	0	0	0	U	0	0	...	...	...	...
13	4/ 9/48	0	32	..	0	0	0	0	0	0	U	0	0	...	...	...	...
14	1/15/48	0	U	..	0	0	U	0	0	0	U	0	0	...	...	...	...
15	3/ 5/48	U	4	..	0	0	U	0	0	0	U	0	0	...	...	...	...
16	1/23/48	16	256	..	0	2	8	0	0	U	4	0	0	...	...	...	...
Lot 309 (Group C)																	
17	.....	0	0	..	0	0	0	0	0	0	0	0	0	...	...	...	...
18	3/11/48	4	128	..	0	0	2	0	0	U	0	0	0	...	...	...	...
19	12/11/47	0	U	..	0	0	U	0	0	0	U	0	0	...	...	...	...
20	11/17/47	0	U	..	0	0	U	0	0	0	U	0	0	...	...	...	...
21	.....	0	U	..	0	0	U	0	0	0	U	0	0	...	...	...	...
22	3/19/48	0	U	..	0	0	0	0	0	0	U	0	0	...	...	...	...
23	1/ 9/48	0	U	..	0	0	U	0	0	0	U	0	0	...	...	...	...
24	3/11/48	64	64	..	0	2	U	0	0	4	U	0	0	...	...	...	...

* Each recipient received three injections. † U = undiluted.

These tests strongly suggested that there was no Rh antigen in lot 502 vaccine and that the response previously noted was, in fact, an anamnestic reaction in volunteers who already had considerable residual circulating antibody. An alternative explanation might be that the volunteers used for lots 309 and 202 vaccine had lost their hypersensitivity by reason of the long interval since their original sensitization to Rh antigens—a period of seven or eight years (table 3). This hypothesis was put to test by selecting 5 of the 16 men at random for an injection of Rh-positive blood. On April 21 these five received intravenously 0.25 ml. of a 50% suspension of whole **DE**-positive, **C**-negative human red blood cells in acid-citrate-dextrose solution. Antibody titers two weeks later (May 5) were elevated, as shown in table 4. It is obvious that each man promptly produced a high titer of Rh antibody and thereby demonstrated the ability to respond to a specific antigenic

not capable of stimulating Rh antibody production, might still be able to alter the reactivity of the host so that he would later respond more quickly to the injection

TABLE 4.—*Response to One-Quarter Milliliter of Rh-Positive Blood, by Subjects Who Had Not Responded to Lots 309, 202, or 502 Vaccine*

Case No.	Anti-Rh Titer Before Injection, C	D	Du	E	Maximal Anti Rh Titer After Injection, C	D	Du	E
19	0	0	0	0	U	1,024	128	U
24	U *	0	0	0	16	512	64	0
20	0	U	0	0	0	256	0	0
15	0	0	0	0	U	512	128	0
18	0	0	0	0	128	4,096	128	0

* U = undiluted.

of whole blood. For this study five Rh negative volunteers who had not been previously sensitized were given 1 ml. intramuscular injections of lot 502 vaccine at

weekly intervals over a period of two months. Such a procedure, using whole blood, would be expected to sensitize at least 50% of Rh-negative volunteers. No Rh antibodies appeared. After a rest period of one month, two of the five were given 0.25 ml. of whole **D**-positive blood. After a rest period of six weeks, the third man was given whole blood. A fourth volunteer was given whole blood after a rest period of eight weeks. The fifth volunteer was not available for completion of these studies. No anti-**D** agglutinins were detected in the serums of these men two to four weeks after administration of blood.

The serums of the men who were not Rh-sensitized were also tested to see if there had been any stimulation of anti-**A** or anti-**B** production. No significant change was found. Comparative titrations were also done to determine if there had been any alteration in reactivity to monkey red blood cells. None was found. Most of the numerous serum samples from these volunteers have been tested for poliomyelitis neutralizing antibodies against types 1, 2, and 3. The results are of some interest in evaluating the apparent anamnestic responses and may be summarized briefly. All lots tested stimulated the production of poliomyelitis antibodies. Lot 502 vaccine was weakest, followed in order of increasing potency by lots 506, 307, 202, and 309.

COMMENT

Some of the vaccines used in these experiments were made by procedures that permitted incubation of monkey kidney fragments and red blood cells at 36 C (96.8 F), with agitation, for over one week. Since the exact nature of the Rh antigen has not yet been determined, it could be postulated that some of these cells might disintegrate and release their antigens into the liquid phase, pass through subsequent filtration, and appear in the final vaccine. Since the exhaustive tests described here failed to disclose Rh antigenicity in the vaccines made and processed by varying techniques, one can assume that they are either removed by the processing or that they are so unrelated to human Rh antigens as to be inconsequential, as Wiener originally stated. In fact, the studies suggest that both assumptions may be correct. At any rate, it seems probable that there is no danger of Rh sensitization of man by the Salk vaccine.

SUMMARY

A certain number of blood specimens from monkeys used in production of Salk poliomyelitis vaccine cross react with serums of human origin. These cross reactions, while not typical of human red blood cells, suggest the possibility of Rh antigenicity of the Salk vaccine. Therefore, the vaccine was subjected to detailed investigation with the following results. 1. The paired specimens of 100 children inoculated in the field trials with two different production lots of poliomyelitis vaccine contained no Rh antibodies. 2. Three production lots of Salk vaccine were injected into previously sensitized Rh-negative volunteers who had little or no residual circulating Rh antibody. No significant antibody response was observed. The hypersensitivity of these volunteers was later demonstrated by injection of whole Rh positive blood. 3. Rh negative nonsensitized volunteers received many injections of one vaccine lot followed by whole blood after a rest period. No sensitization by the vaccine was demonstrated. The tests used for this study are the most sensitive tests for the presence of Rh antigens that can be devised or imagined in the present state of knowledge, and they do not show even a trace of Rh antigens in the lots of Salk vaccine tested.

1740 Bainbridge St. (46) (Dr. Abelson).

VACCINATION-INDUCED POLIOMYELITIS IN IDAHO

PRELIMINARY REPORT OF EXPERIENCE WITH SALK POLIOMYELITIS VACCINE

Lawrence J. Peterson, M.S.P.H., Woodrow W. Benson, M.P.H.
and
Frederick O. Graeber, M.D., Boise, Idaho

This report is intended to present evidence confirming the presence of live virus in the poliomyelitis vaccine made available by the National Foundation for Infantile Paralysis for the inoculation of first and second grade school children in Idaho in the spring of 1955 and to present in a factual manner the impact that the use of such a vaccine has had on the state. The Francis report was accepted in Idaho as sufficient evidence that the Salk poliomyelitis vaccine was safe and potent. The vaccination program began in Idaho on April 19 and was discontinued on April 27. During that period approximately 32,000 first and second grade children received one injection of vaccine produced by Cutter Laboratories. Two lots of vaccine were used, E6058 and E6039.

From the Idaho State Board of Health, Division of Public Health.

Two cases of poliomyelitis were reported in Idaho on April 26, one resulting in a fatality. It was thought, of course, that some of the vaccinated children by chance alone would be developing poliomyelitis during the vaccination period, and these two cases at first were believed to be coincidental. On the morning of April 27, a report was received that in California cases of poliomyelitis were occurring in children who had received an injection of the vaccine, and later in the day information was received that the Cutter Laboratories had been asked by the United States Public Health Service to recall all of its poliomyelitis vaccine. Subsequent evidence has indicated that the vaccine that was used in Idaho contained live poliomyelitis virus. Some of the evidence in support of this viewpoint is presented in the following sections.

INCIDENCE OF CASES

Cases in Vaccinated Persons.—Within 26 days after the beginning of vaccination, 20 vaccinated children had developed clinical poliomyelitis, for an attack rate of about 1 to 1,600 injections. The average period of time between inoculation and clinical symptoms was 11.3 days, with a range from 5 to 26 days. Three of these children died, for a case fatality rate of 15%. Of the 20 patients, 11 showed paralysis in the arm of injection. Generally speaking, these 20 children had upper body paralysis, as compared to the usual predominance of lower body paralysis expected in this disease. The clinical impression of the examining physicians was that these 20 children were more severely involved than would be expected in an ordinary outbreak of the disease.

Objections were raised at first that, if all or almost all of the vaccine contained living virus, many more than 20 of the 32,000 children should have developed clinical poliomyelitis. This lack of an explosive outbreak is best explained on the basis of the unnatural method of infection by intramuscular injection.[1] A similar incidence of infection was observed by Kolmer in 1935 after the use of his live virus vaccine. Two other vaccinated children have developed clinical poliomyelitis. In these two cases the time elapsing between inoculation and clinical symptoms was 47 days and 90 days respectively. Because of the long interval between inoculation and illness, it is believed that these two children did not acquire poliomyelitis directly as a result of the vaccination. The only basis for this belief is the meager information available from monkey experiments. Monkeys inoculated intramuscularly with live Mahoney strain virus have an incubation period from 6 to 25 days.[2] It is possible that these two children developed no antibodies from the vaccine that they received. Table 1 gives some of the pertinent data concerning these 22 cases that occurred after vaccination.

TABLE 1.—*Children Developing Poliomyelitis After Vaccination, Idaho, 1955*

Case	Sex	Age	Date Vaccinated	Onset of Illness	Comment
1	F	8	4/19	4/23	Died; bulbar; left arm injection
2	F	7	4/19	4/26	Died; left arm injected and paralyzed
3	F	8	4/19	4/26	Quadriplegia; intercostal paralysis
4	M	7	4/19	4/27	Right arm paralysis; weakness left arm
5	F	7	4/19	4/28	Bulbar; left arm injected and paralyzed
6	F	7	4/19	4/29	Nonparalytic; left arm injected
7	F	7	4/19	5/1	Left arm injected; paralysis left leg
8	M	7	4/19	5/2	Left arm injected; nonparalytic
9	F	8	4/19	5/2	Left arm injected; nonparalytic
10	M	7	4/19	5/7	Died; bulbar; left arm injected
11	F	7	4/19	5/14	Left arm injected; paralysis left leg
12	M	6	4/20	4/26	Involvement of left leg
13	F	8	4/21 or 22	4/26	Left and right arm paralysis
14	F	5	4/21	4/27	Left arm injected and paralyzed
15	M	7	4/21	4/28	Left arm injected and paralyzed
16	M	7	4/21	4/29	Left arm injected; neck paralysis
17	M	7	4/21	5/1	Left arm injected and paralyzed
18	M	6	4/21	5/4	Nonparalytic
19	F	8	4/21	5/6	Nonparalytic
20	F	6	4/25	5/5	Left arm injected and paralyzed
21	M	7	4/19	7/15	Paralysis right leg; weakness left leg
22	F	8	4/22	6/7	Stiff neck and back

Cases Resulting from Familial Contact.—On May 12, the first case resulting from familial contact was reported and, as further cases developed, it became apparent that persons outside of the immediate family were contracting poliomyelitis as a result of contact with vaccinated children. By June 14, excluding cases in vaccinated persons, there had been 53 cases of poliomyelitis reported with onset occurring after the cessation of the vaccination program. In these 53 cases, 45 persons had well-established close contact with vaccinated children. Table 2 illustrates this relationship.

TABLE 2.—*Poliomyelitis Cases Showing Association with Vaccinated Children, Idaho, 1955*

Case	Sex	Age	Date Contact Vaccinated	Onset of Illness	Contact
1	M	13	4/19	5/4	Brother vaccinated
2	F	3	4/19	5/8	Brother vaccinated
3	F	9	4/19	5/11	Sibling—case 2
4	F	33	4/19	5/12	Daughter vaccinated
5	M	3	4/19	5/14	Sister vaccinated
6	M	20 mo.	4/19	5/16	Sister vaccinated
7	F	2	4/19	5/18	Contact with two vaccinated children
8	F	4	4/19	5/18	Playmate vaccinated
9	M	7	4/19	5/19	Playmate—vaccinated case
10	M	12	4/19	5/21	Siblings vaccinated
11	M	40	4/19	5/21	Daughter vaccinated
12	M	12	4/19	5/23	Brother vaccinated
13	M	1	4/19	5/23	Sister vaccinated
14	M	9	4/19	5/25	Schoolmates vaccinated
15	M	2	4/19	5/30	Brother vaccinated
16	M	34	4/19	6/1	Son vaccinated
17	M	4	4/19	6/1	Sibling vaccinated
18	F	10	4/20	5/11	Sister vaccinated
19	M	5	4/20	5/12	Playmate vaccinated
20	M	32	4/20	5/14	Child vaccinated
21*	M	35	4/20	5/15	Two children vaccinated
22	F	4½	4/20	5/16	Brother vaccinated
23	M	3	4/20	5/17	Sister vaccinated
24*	F	33	4/20	6/4	Two children vaccinated
25	F	5	4/20	6/4	Sister vaccinated
26	F	2	4/20	6/7	Two siblings vaccinated
27	M	6	4/20	6/9	Sister vaccinated
28	M	4	4/21	5/1	Brother vaccinated
29	F	20 mo.	4/21	5/8	Baby sitter's vaccinated children
30	F	4	4/21	5/13	Twin sister vaccinated
31	F	9	4/21	5/13	Niece vaccinated
32	F	14	4/21	5/28	Brother vaccinated
33	M	6	4/22	5/8	Sister vaccinated
34	F	4	4/22	5/8	Sibling—case 33
35	M	13	4/27	5/23 (?)	Sibling vaccinated
36*	F	6	Unknown	5/9	Associate of vaccinated children
37	F	10	Unknown	5/10	Sibling vaccinated
38	M	8	Unknown	5/14	Sister vaccinated
39	M	14	Unknown	5/18	Sibling vaccinated
40	F	3	Unknown	5/21	Sister vaccinated
41	F	22 mo.	Unknown	5/21	Vaccinated playmate
42	M	2¼	Unknown	5/23	Five vaccinated cousins
43	F	14	Unknown	5/29	Vaccinated relatives
44	F	21 mo.	Unknown	5/31	Sister vaccinated
45	F	6 wk.	....	6/2	Cousin of patient in case 42
46	F	16	...	5/12	Unknown
47	F	4	....	5/16	Unknown
48	F	11	....	5/16	Unknown
49	F	32	....	5/23	Unknown
50	F	3	....	5/25	Unknown
51	F	12	....	5/25	Unknown
52	M	18	....	5/25	Unknown
53	F	3	....	5/27	Unknown

* Died.

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LABORATORY FINDINGS

Virus Isolation (Human).—Poliomyelitis virus has been isolated from the throat and stool specimens from 181 individuals. Only type 1 virus has been found. Virus has been isolated from vaccinated children who developed the disease, from vaccinated children who did not develop the disease but had a minor illness shortly after inoculation, from vaccinated children who showed no overt effects, from family contacts of children in all three of these categories, and from individuals who apparently had not been exposed to a vaccinated child nor to an individual given a diagnosis of poliomyelitis. It might be assumed that, if the outbreak of poliomyelitis that occurred was of natural origin, an occasional type 2 or type 3 virus should be found.

TABLE 3.—*Poliomyelitis Antibody Survey, June, 1955, of 160 Vaccinated Children * from Bannock and Bingham Counties, Idaho*

Titer	1:1	1:8	1:16	1:32	1:64	1:256	1:1024	Total
Type 1	34	3	3	7	15	27	71	160
	21.2	1.9	1.9	4.4	9.3	16.9	44.4	100%
Type 2	21	10	12	14	19	25	59	160
	13.2	6.2	7.5	8.7	11.9	15.6	36.9	100%
Type 3	46	7	6	7	8	15	71	160
	28.8	4.4	3.7	4.4	5.0	9.3	44.4	100%

* Aged 6, 7, 8, and 9.

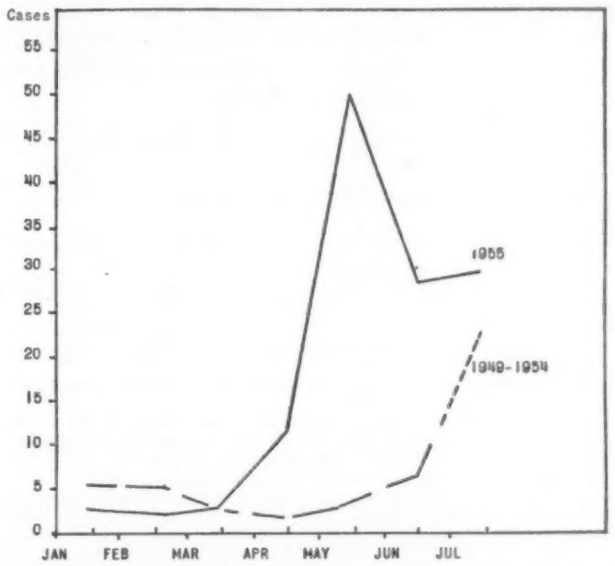
Virus Isolation (Animal).—On June 1, it was reported that Dr. Louis P. Gebhardt at the University of Utah Medical School had been successful in producing clinical poliomyelitis in a monkey injected with vaccine from lot number E6058. On June 15, Dr. Carl Eklund at the United States Public Health Service Laboratory in Hamilton, Mont., reported the isolation of type 1 virus from monkeys injected with the vaccine. Monkeys inoculated with vaccine from lot E6058 and lot E6039 developed clinical poliomyelitis. When autopsy was done, these monkeys showed typical microscopic evidence of poliomyelitis. Spinal cord emulsion produced growth on tissue culture in seven days, and type 1 virus was isolated from these cultures.

Virus Isolation (Tissue Culture).—On July 7, Dr. Eklund reported that tissue culture study of lot E6058 showed necrosis in 1 out of 50 test bottles used (500 cc. of vaccine was tested) and that this positive bottle showed type 3 virus. The isolation of type 3 virus was unexpected because all of the previous isolations, without exception, were type 1. The only apparent explanation of this phenomenon is that type 1 virus, because of superior growth qualities, masked the presence of type 3 virus. Frozen stool specimens obtained early in the study and additional vaccine are being restudied to see whether type 2 or type 3 virus can also be isolated.

Antibody Response.—A study of antibody response to the one injection of vaccine in a representative sample of the children receiving the vaccine has indicated that very high levels of antibody were obtained. In 160 consecutive blood specimens thus far analyzed from samples drawn approximately six weeks after inoculation in the Bannock County–Bingham County area, 78.8% of the children showed neutralizing antibodies to type 1, 86.8% to type 2, and 71.2% to type 3. Of the 160 children, 127 had an antibody titer of 1:1024 to one of the three types, 54 had an antibody titer of 1:1024 to two of the three types, and 8 children had an antibody titer of 1:1024 against all three types. Nine children showed no neutralizing antibody readings to any of the three types. The 1:1024 dilutions will later be run out to their endpoint. In table 3 there is given a summarization of the antibody status of the 160 children. The fact that these children have developed high antibody titers against all three types is additional evidence that the vaccine used in Idaho contained living type 1 and 3 virus and, in all probability, also contained live type 2 virus. The antibody response in these children who received one inoculation far exceeds the level reached in Idaho children in the field trial vaccine program of 1954, after three inoculations over a five week period.

IMPACT ON THE STATE

The first result of the vaccination program was the occurrence by May 14 of 20 cases among vaccinated children. In the past six years a total of only 16 cases of poliomyelitis had been reported through the end of May in children aged 6, 7, and 8. The greatest number occurring in any one of these years was four cases. The second effect was the occurrence of an unusually high incidence of cases in all age groups prior to the usual poliomyelitis season. From Jan. 1 to July 1, 100 cases of poliomyelitis were reported. In the six years from 1949 to 1954, there had been an average of 27.2 cases reported by the first of July. Two of these years, 1949 and 1952, were years of unusually high incidence of the disease. The year of highest incidence during this period was in 1949 when 48 cases occurred. The graph shown in the figure, comparing the number of cases by month this year with an average for the past six years, illustrates this difference in time of seasonal occurrence. The third observation was the fact that, whereas, in previous years the poliomyelitis occurring in the state has usually seemed to start in one of the trading areas and has then moved around the state in a somewhat haphaz-



Average number of poliomyelitis cases reported in Idaho for the first part of 1949-1954 compared to 1955.

ard manner, this year poliomyelitis cases have occurred almost simultaneously and uniformly over the entire state. There has been no area in the state that has had a disproportionate share of cases, if population density is considered.

CONCLUSIONS

Poliomyelitis vaccine used in a mass inoculation program in Idaho in 1955 contained live virus. The first result of the use of such a vaccine was to cause a wave of cases in vaccinated children. The second result was the occurrence of a wave of cases in the contacts of vaccinated children. The widespread isolation of poliomyelitis virus and the uniform distribution of cases indicate that the state has been heavily seeded with virus prior to the normal poliomyelitis season. The effect of this early, unnatural seeding is unpredictable. (The total number of cases as of Aug. 1 was 130.)

700 Jefferson St. (Dr. Peterson).

PERINATAL MORTALITY

Edwin M. Gold, M.D., Brooklyn, N. Y.

Perinatal mortality is a relatively new term. In 1948, Peller [1] felt that there was such a close association between fetal death ratios and neonatal mortality rates that he suggested their combination into a "perinatal mortality rate." Baumgartner and Erhardt [2] have reiterated the validity of this concept. The World Health Organization Expert Committee on Health Statistics in 1950 [3] recommended that the fetal death and neonatal mortality statistics be published alongside of each other so that they could be considered as a unit. Davis, Potter, and Bruce [4] referred to perinatal mortality as an inclusive term to include stillbirth and neonatal mortality. Obstetricians should think of perinatal mortality as expressing loss of life just before, during, or just after birth, since these are areas of prime obstetric responsibility. Therefore, in New York City a perinatal mortality rate is obtained by the following formula:

$$\frac{\text{Infant deaths (under 1 week) plus fetal deaths (28 weeks and over)}}{\text{Live births plus fetal deaths (28 weeks and over)}} \times 1{,}000$$

This formula reveals perinatal mortality to be composed of infant deaths (under one week) and late fetal deaths (over 28 weeks' gestation). The vital statistics of New York City for the years 1946 through 1953 (table 1) indicate a decline in the perinatal mortality rate of 19.5%. The late fetal deaths (28 weeks and over) declined 28.0%, and the early infant deaths (under 7 days) declined 12.0%. This represents improvement, though not as rapid improvement as is noted in the decline of the maternal mortality rate of 44.4% for the same period.

EARLY INFANT DEATHS AND THEIR CAUSES

Since the early infant deaths declined least, (12%), let us examine them first to see why. They comprise 90% of the infant deaths in the first month of life, and over 50% of them occur on the first day of life. More noteworthy is the fact that 90% of the early infant deaths are due to perinatal causes; namely, prematurity in 51%, birth injuries and malformations in about 15% each, and anoxia and erythroblastosis in 11%.

Prematurity.—Prematurity, accounting for half the neonatal mortality in New York City and 79.1% of natal day deaths in Chicago,[5] is a formidable cause of early infant deaths. The incidence of prematurity in New York City during the years 1946 through 1953 has remained fairly constant at a level of 8.1% of all live births, with an incidence of 7.5% in the white as against 11.5% in the nonwhite population. To reduce the early infant death rate further and more rapidly than heretofore, prematurity must of necessity be prevented and treated. The clues to reduction of prematurity should be the relationships that have been shown [6] between age, parity, socioeconomic conditions of the pregnant woman, and quality of prenatal care with the incidence of premature birth.

Recent confirmatory studies in New York City,[7] based on the criteria developed from birth certificate data, have pointed out that prenatal care is started late (in the last trimester of pregnancy) in certain groups of pregnant women: the nonwhite patients in general; women under 20 and especially multiparas under 20; patients delivered in municipal hospitals; Negro patients delivered on ward services of voluntary hospitals; and patients delivered at home. All these data reveal a need to assure early and continuous prenatal care of all pregnant women, but especially among the priority

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From the New York City Department of Health and the Department of Obstetrics and Gynecology, State University of New York College of Medicine at New York City.

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groups mentioned. This is an area where maternal and child health services of municipal health departments can work hand in hand with the obstetrician, the hospital, and other community agencies to locate such priority groups of patients and assure their early and continuous care as one major means of reducing the incidence of prematurity.

Therapeutically, the most current, sound obstetric principles of management and care of the patient in premature labor and during premature delivery should be applied. Particular emphasis should be placed here on the conservative management of the patient with premature rupture of the membranes; she should be hospitalized and no attempt made to induce labor. Placenta previa should be treated expectantly to insure viability of the fetus. Cases of Rh and AB isoimmunization should be carried to full viability before the pregnancy is terminated. Finally, the recently summarized principles [8] of management of the premature labor and delivery should be continuously disseminated and stressed.

proprietary hospitals, 39.9% of the patients were delivered by midforceps, 62% by breech, 37.5% by internal podalic version, and 25% by cesarean section without a qualified obstetrician in attendance. Thus, it is timely to reiterate that each maternity service should provide a qualified chief of service and that this chief should set up and enforce consultation policies in the interest of lowering the incidence of birth injury.

Malformations.—There is not much that can be constructively stated about malformations except that their incidence remains stationary at about 1.5% of all births. About 15% of early infant deaths are directly or indirectly ascribable to this cause. The solution to the problem of lowering incidence of malformations lies in further research in the fields of environmental pathology and the influence of nutrition on the developing fetus in the first eight weeks of intrauterine life. The role of viral diseases in the first 12 weeks of gestational life in producing malformations is becoming more definite, though not particularly well understood. Prophylaxis therefore still stands in abeyance.

TABLE 1.—*Changes in Perinatal Mortality Taken from the Vital Statistics of New York City from 1946 to 1953*

	1946	1953	Percentage of Change
Live births	152,786	161,499	.....
Infant deaths (under 1 yr.)	4,239	3,945	.....
Infant death rate (per 1,000 live births)	27.8	24.4	(—) 12.2
Neonatal deaths (under 1 mo.)	3,279	2,945	.....
Neonatal death rate (per 1,000 live births)	21.5	18.2	(—) 15.3
Early neonatal deaths (under 7 days)	2,804	2,623	.....
Early neonatal death rate (per 1,000 live births)	18.4	16.2	(—) 12.0
Fetal deaths	12,980	19,357	.....
Fetal death ratio (per 1,000 live births)	85.0	119.9	(+) 41.1
Fetal deaths (28 weeks and over)	2,947	2,239	.....
Fetal death ratio (per 1,000 live births)	19.3	13.9	(—) 28.0
Perinatal mortality	5,751	4,802	.....
Perinatal mortality rate	36.9	29.7	(—) 19.5
Maternal mortality	179	105	.....
Maternal mortality rate (per 10,000 live births)	11.7	6.5	(—) 44.4

Birth Injury.—Birth injury is the second major cause of early infant mortality in New York City. The incidence of reported severe birth injury for the year 1948 in New York City was recently reported [9] as 1.7 per 1,000 live births. This study showed the relation of type of delivery to reported severe birth injury. The reported severe birth injury rates per 1,000 live births were 0.21 in spontaneous delivery and 1.3 in low forceps and cesarean section but jumped to 30.0 with version, 17.5 with high forceps, 14.4 with midforceps, and 14.0 with breech delivery. This study also pointed out that, despite recommendations of the Advisory Obstetric Committee of the New York City Health Department that consultation with a qualified obstetrician be required in all obstetric operations other than low forceps delivery, the facts showed otherwise. In the reported cases of severe birth injury occurring on the ward services of the municipal and voluntary hospitals, 60% of the midforceps and 85% of the breech deliveries were performed by the house staff without a qualified attending obstetrician in attendance. In the reported cases of severe birth injury on the private services of voluntary and

Erythroblastosis and Anoxia.—Together, erythroblastosis and anoxia account for 11% of early infant deaths in New York City. Deaths due to Rh incompatibilities and AB isoimmunization factors may be related to the thoroughness of antepartum diagnosis and the preparations in the immediate puerperium for coping with them. The anoxia cases in this group are associated with prolonged labor, operative delivery, and hemorrhagic complications at or near term, such as abruptio placenta, placenta previa, marginal sinus rupture, and other hemorrhage. Better obstetric management, more liberal use of consultation, skilled obstetric care for operative delivery, and temporizing in the management of placenta previa with liberal recourse to blood replacement as needed are contributing to reduction of early infant loss from these causes. In addition, increas-

8. Gold, E. M.; Faison, J. B., and Wallace, H. M.: Prevention of Prematurity and Death from Prematurity from the Obstetric Viewpoint, New York J. Med. **50**: 1407-1408 (June 1) 1950. Guttmacher, A. F.: Prematurity—The Obstetric Viewpoint, ibid. **53**: 2781-2784 (Dec. 1) 1953.

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ing awareness of the role the qualified anesthetist plays in bringing new conduction and regional anesthetic techniques into the delivery room and his growing role in supervision of neonatal resuscitation will further tend to decrease infant loss from anoxic causes. Adherence to such a policy is a potential in reducing anoxic complications as a major cause of early infant deaths.

Before the second component of perinatal mortality is analyzed—late fetal deaths (28 weeks and over)—it should be noted in table 1 that fetal death ratio (all fetal deaths) has risen 41.1% during the years 1946 through 1953 and the upward trend was continuous. This is ascribable to the increased reporting of early fetal deaths, particularly in the under-20-week group. The late fetal deaths (28 weeks and over) have fallen 28% during this eight year period. Numerically they represent approximately half of the perinatal deaths herein defined, the other half being the early infant deaths. This leads to a conclusion that possibly, by

TABLE 2.—*Reported Fetal Deaths by Cause of Death at Twenty-Eight Weeks and Over in New York City in 1952*

	No.		Percentage of Total	
All Causes	2,448		100.0	
Maternal Causes and Conditions	499		20.4	
Chronic diseases		100		4.1
Toxemia of pregnancy		225		9.2
Difficulties in labor		107		4.4
All other		67		2.7
Causes in the Fetus, Placenta, and Cord	931		38.0	
Placenta previa		21		0.9
Premature separation		270		11.0
Other placental and cord conditions		362		14.8
Birth injury		12		0.5
Congenital malformation		169		6.9
Erythroblastosis		97		3.9
Other causes		...		...
Ill-defined and unknown causes	1,017		41.6	

improvements in prenatal care and improved nutrition, together with improved techniques of coping with the complications of early pregnancy, more fetuses are now being carried beyond the 28th week and delivered alive. In other words, more "poor risk" infants are brought into the early neonatal period, thereby accounting for the relatively slower improvement of the early infant death rate, which declined only 12%.

LATE FETAL DEATHS AND THEIR CAUSES

The late fetal deaths (over 28 weeks), the other component of our perinatal mortality, represent slightly more than 10% of the total fetal deaths per year in New York City but approximately 50% of the perinatal mortality. These are the antepartum and intrapartum intrauterine deaths.

Table 2, listing the reported fetal deaths at 28 weeks and over by cause of death for the year 1952 in New York City (the latest year of complete tabulation of late fetal deaths by cause), shows three major groups by cause.

Maternal Causes and Conditions.—Maternal conditions represent 20.4% of the total. Of these causes, toxemia represents 50%, abnormal labor 20%, and chronic diseases (such as diabetes, syphilis, and vascular and renal diseases) another 20%. Toxemia of pregnancy and chronic diseases of the mother represent a challenge in relation to prenatal care. The same factor of implementing prenatal care, particularly in the priority group of mothers alluded to in discussion of early infant deaths, is applicable here.

Causes in the Fetus, Placenta, and Cord.—Conditions in the fetus, placenta, and cord represent 38% of the late fetal deaths. Of these causes, premature separation of the placenta represents 29%, other placental and cord conditions 39%, congenital malformations 18%, and erythroblastosis 10%. If the high association of premature separation of the placenta with toxemia, the high association of other placental conditions, such as infarction, fibrosis, and degeneration with the vascular and renal complications of pregnancy, and the role of antepartum casefinding and preparation in relation to erythroblastosis are considered, the import of adequate antepartum care as the theoretical potential in lowering the incidence of late fetal deaths from these causes can again be recognized.

Ill-Defined or Unknown Causes.—Of paramount interest is that in 41.6% of the late fetal deaths the cause was ill-defined or unknown. Hughes and Schoeneck [10] have stated that, if a woman had a premature delivery, stillbirth, or abortion in one pregnancy, she had a better than average chance of difficulty in future pregnancy. On these grounds they recommended preconceptional evaluation of prospective parents with a history of previous unsatisfactory pregnancies. Such evaluation would be done in preconceptional clinics. Aaron, Levine, and Gitman [11] on the basis of experiences in such a clinic emphasize the need for further study of the uterine environment, the endometrium, and uterine anomalies because of the importance of these factors in repeated pregnancy wastage.

In New York City at present, the autopsy rate in late fetal and early infant deaths ranges between only 25 and 40%. In Chicago, on the other hand, autopsies are being performed on approximately 85% of all dead infants.[12] Thus a vital source of information as to anatomic cause of perinatal mortality in New York City is being sadly neglected. A pertinent recommendation would be to increase autopsy percentages at the individual hospital and community level. These autopsies in both late fetal and early infant deaths should be done promptly, by specially trained pathologists, and the results collated with the clinical course of the mother so that the findings would be more meaningful. Another suggestion would be to stimulate the development of "perinatal mortality conferences" at hospital level at which the obstetrician, pediatrician, anesthetist, and pathologist could pool their knowledge during the case study. Much information of a preventive and therapeutic nature can come from such an approach. Apply-

10. Hughes, E., and Schoeneck, F. J., quoted in Syracuse Seeks Prevention, the Mother (Spring) 1951.

11. Aaron, J. B.; Levine, W., and Gitman, L.: Pregnancy Wastage, Obst. & Gynec. **2**: 461-469 (Nov.) 1953.

12. Bundesen, H. N., and others: Progress in Reduction of Needless Neonatal Deaths: A Challenge to a Health Officer and the Medical Profession, J. A. M. A. **148**: 907-917 (March 15) 1952.

ing this same technique on a community level, we should stimulate the development of perinatal mortality committees patterned after the maternal mortality committees that have so materially aided in the reduction of maternal mortality in this country by eliciting the errors of omission and commission, from which the current recommendations of good obstetric practice have emanated.

CONCLUSIONS

In conclusion then, we have attempted to focus attention on the fact that perinatal mortality is composed of early infant deaths (under 7 days) and late fetal deaths (over 28 weeks), both areas where obstetric responsibility is high and the problems of which are inseparable. In order to speed up the decline in perinatal mortality, continued effort in the following areas is suggested. 1. In preconceptional care the effort should be to investigate families with a history of pregnancy wastage in the interval between pregnancy, to delve deeper into the realms of environmental pathology, and to increase research in the role that endometrial insufficiency and uterine anomalies play in pregnancy wastage. 2. In prenatal care attempts should be made to identify, locate, and give early and continuous high quality prenatal care to all pregnant women but especially to those in low socioeconomic strata, nonwhite patients in general, women under 20, and especially multiparas under 20. 3. Those concerned in intrapartum and postpartum care should disseminate and apply currently accepted standards of skilled obstetric and anesthesia care in all deliveries and especially in premature deliveries. Qualified consultation in obstetric and newborn infant practice should be used freely. An attempt should be made to raise the numbers and quality of autopsies performed at the hospital and community level to permit better evaluation if possible of causes of perinatal mortality on an anatomic basis. 4. Perinatal mortality committees should be further developed, patterned after the preexisting maternal mortality committees. Such committees should represent joint cooperation of the county medical society and the local health department.

47 Plaza St. (17).

Tuberculin Testing.—In spite of many studies of its value, many physicians still neglect the tuberculin test when the differential diagnosis of a pulmonary lesion is considered . . . [because] there seems to be a feeling that "since nearly every adult is tuberculin-positive, there is little reason to do the test." . . . Newer procedures in diagnosing lesions of the lungs are stressed . . . [and] the physician may become involved in the intricacies of the new tests rather than attempt to evaluate his patient on the basis of tried and true ones. . . . [Also] the present-day treatment for tuberculosis has become so simplified, with such a low percentage of toxic or ill effects, that the temptation is very great to start treatment before clinching the diagnosis. . . . The trend toward ambulatory care of tuberculosis hastens the feeling that treatment should be started just as soon as a pulmonary lesion is found. Nevertheless, the physician must not forget that the diagnosis of tuberculosis carries with it great social, economic, and physical responsibilities. . . . He must make the diagnosis with great certainty and caution. . . . The tuberculin test is a simple, cheap, and comparatively short test in which the possibility of a lesion being tuberculous can be ruled out. . . . It is one that has stood the test of time, and . . . it has not been supplemented by new and more intricate methods. It will become more valuable as our control of tuberculosis improves.—D. Jackson, M.D., The Value of Tuberculin Testing, *A. M. A. Archives of Internal Medicine*, June, 1955.

CLINICAL NOTES

V, A "NEW" Rh ANTIGEN, COMMON IN NEGROES, RARE IN WHITE PEOPLE

Albert DeNatale, Ph.C.
Amos Cahan, M.D.
James A. Jack, M.S., New York
Robert R. Race, Ph.D.
and
Ruth Sanger, Ph.D., London, England

A "new" blood group antibody has been found in the serum of a white, adult patient (Mr. V), in St. Luke's Hospital, who suffered from an obscure anemia and received 26 transfusions between March 18 and Sept. 15, 1954. The antibody was first discovered at St. Luke's Hospital when the cross match for the 27th transfusion was incompatible; subsequent inquiry showed that this prospective donor was a Negro, as were six of the previous donors. The red blood cell antigen identified by this antibody at first appeared to be confined to Negroes but it has now disclosed itself as being present rarely in whites, frequently in New York Negroes, and still more frequently in West Africans. The antigen is associated with the Rh system, but until its precise place in that system becomes clear we propose to call it V.

ASSOCIATION OF V WITH Rh SYSTEM

The "new" antibody, anti-V, might not have been pursued had not the panel of test cells then in use at the Knickerbocker Foundation included several samples from Negroes. In these preliminary tests the only two positive reactions were among the six Negro samples in the panel of 20 selected bloods. Attention was thus focused on Negro blood, and samples from 168 New York Negroes were then tested with anti-V; they were also tested for the A_1 A_2 BO, MNSs (including Hu, He, and Vw), P, Rh, Lutheran, Kell, Lewis, Duffy, and Kidd groups. The two categories of people, those with V and those without it, had undisturbed distributions of all these groups save Rh. The distribution of V in the Rh types of the New York Negroes, and in some West African Negroes subsequently tested, is shown in table 1; the lack of V+ lower in the list can be crystallized in the following tabulation. This is out of propor-

	Samples Representing	
	At Least One *cde* or *cDe* Chromosome	No *cde* nor *cDe* Chromosome
V+	105	0
V−	191	22

From St. Luke's Hospital (Dr. DeNatale); the Knickerbocker Foundation (Dr. Cahan and Mr. Jack); and the Medical Research Council Blood Group Research Unit, the Lister Institute (Drs. Race and Sanger).

Dr. Luis A. Amill, Director of the Blood and Plasma Bank, St. Luke's Hospital, New York City, gave help and advice in this study.

Dr. D. A. Cannon, Medical Research Institute, Lagos, Nigeria; Dr. J. N. Marshall Chalmers, St. George's Hospital, London, England; Dr. G. M. Edington of the Medical Research Institute, Accra, British West Africa; and Mr. I. Sackey, Accra, supplied the samples from individuals and families in West Africa.

Dr. R. A. Zeitlin, South London Transfusion Centre, and the staff of the Lister Institute, London, England, supplied most of the samples from white persons.

Dr. T. J. Greenwalt, Milwaukee Blood Center, Milwaukee, supplied samples from the Milwaukee family.

Dr. C. A. Holman, Lewisham Group Laboratory, and Dr. K. E. Saunders, Dulwich Hospital, London, England, supplied samples from the Jamaican families.

tion to the extent that the "exact" probability is 1 in 9,860. A little of the sting is taken out of this probability because so many comparisons were made (for example, V+: V— with A: not A and V+: V— with M: not M); however, as will be seen from the family evidence, the association between V and Rh detected thereby was a true one.

TABLE 1.—*Antigen V and Rh Types* *

	New York Negroes		West Africans	
	V+	V—	V+	V—
cde/cde	3	7	2	6
cDe/cDe † and *cD^{u}e/cde*	23	58	41	45
CDe/cDe ‡ and *CD^{u}e/cde*	12	29	7	20
cDE/cDe §	7	13	9	12
Cde/cde	0	1	1	0
CDe/cDE and *C^{x}De/cDE*	0	5	0	3
cDE/cDE	0	3	0	2
CDe/CDe and *C^{w}De/CDe*	0	7	0	2
	45	123	60	90

* Rh antiserums used were: anti-C, -e, -C^w, -D, -E, -e, -f, and sometimes, anti-C^x and anti-E^w.

† *cDe/cDe* cannot, without family evidence, be distinguished from *cDe/cde*.

‡ *CDe/cDe* cannot, without family evidence, be distinguished from *CDe/cde*.

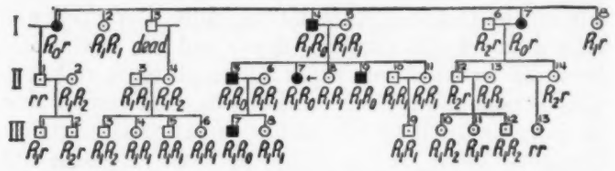
§ *cDE/cDe* cannot, without family evidence, be distinguished from *cDE/cde*.

FREQUENCIES

Table 2 shows the frequency of the antigen V, and that of its gene, in the three groups of people thus far tested. It can be estimated that in West African Negroes about 25% of *ce* chromosomes (*cDe* and *cde*) carry the gene *V*, and that in New York Negroes about 18% of these chromosomes carry it; owing to the smallness of the relevant samples it is not yet possible to give separate estimates for the two chromosomes. The West African sample, from Lagos, Nigeria, and Accra, British West Africa, is presumably heterogeneous; the people belonged to at least six different tribes. The Rh frequencies agree well with those of Chalmers, Ikin, and Mourant [1] for Nigeria. The New York Negroes were blood donors selected for darkness of skin. The Rh frequencies are very close to those found by Miller, Rosenfield, and Vogel [2] for the same population. The whites in London, England, were donors to the South London Transfusion Centre or were members of the Lister Institute. Both V+ donors and many of the relatives of one of them have been visited; there was no sign or history of any African ancestry. The blood of 444 white donors in New York has also been tested; two samples were V+, and both of them were found to be from Puerto Ricans. Three other Puerto Ricans included in this group were V–.

INHERITANCE

It proved too difficult to get samples of blood from the families of New York Negroes, so attention was turned to the possibility of getting family samples from West Africa. While the West African families (table 3) strongly suggested that the antigen V was inherited as a Mendelian dominant character, they were not capable of throwing light on the relationship of V to Rh because none of them segregated for both Rh and V. This stimulated us to continue the search for V in white people; in white families the segregation of the Rh genes is much clearer and V, if found, would inevitably be in the heterozygous state and so, with luck, should segregate too. The family of one of the two London V+ donors (table 2) provided exactly the information needed. The family heritage is shown in the figure, which gives proof that the antigen is a dominant character, for if it were recessive four unrelated members of this English family would



Heritage of English family, showing linkage between V and Rh. Solid designates family members with antigen V, dot designates those who lack the antigen V, and arrow designates propositus. *Ro* = *cDe*, *r* = *cde*, R_1 = *CDe*, and R_2 = *cDE*. Rh antiserums used were: anti-C, -c, -C^w, -D, -E, -e, -f, and, sometimes, anti-C^x and anti-E^w.

have to be carriers of the gene responsible, i. e., I-5 and II-6 and the father and mother of generation I, which is not to be entertained.

The family also shows linkage between V and Rh; the *V* gene is carried on *cDe* chromosome. Propositus II-7 and appropriate members of her immediate family were at first labeled *CDe/cde* (cannot be distinguished serologically from *CDe/cDe*); however, the groups of I-1 and her son and the groups of I-7 and her daughter and granddaughter show that I-4 is evidently *CDe/cDe*. Since in this part of the argument we are assuming the linkage that we want to demonstrate, it should be pointed out that the family of I-4 shows the linkage of V with Rh irrespective of whether the chromosome with which it is linked is *cDe* or *cde*: this branch of the family scores 7:0 for linkage and to it can fairly be added I-2, making the score 8:0. (The ratio represents the number of people that show linkage to the number that would then have to be recombinants.) The probability that this apparent linkage is due merely to chance is but 1 in 128. The family was also tested for the other eight blood group systems and, some of the members, for the ability to taste phenylthiocarbamide. The segregations were such that close linkage could be excluded between V and sex, MNSs, P, and Kidd; the other groups did not give any linkage information.

TABLE 2.—*Antigen V: Phenotype and Gene Frequencies in Three Groups of People*

	West Africans in Lagos and Accra		Negroes in New York		Whites in London	
V+	60	0.4000	45	0.2679	2	0.0049
V—	90	0.6000	123	0.7321	405	0.9951
	150	1.0000	168	1.0000	407	1.0000
Gene *V* *		0.2254		0.1444		0.0025
Gene *v* †		0.7746		0.8556		0.9975

* The frequency of the gene *V* is 1 — frequency of *v*.

† The frequency of the gene *v* is given by the square root of the frequency of the phenotype V—.

FURTHER STUDIES

Serologic Details.—The blood groups of Mr. V. were B, *cde/cde*, Lu (a–), K–; his P, MNSs, Lewis, Duffy, and Kidd groups were in doubt due to the presence of

Dr. A. E. Mourant, Medical Research Council Blood Group Reference Laboratory, Lister Institute, London, England, supplied many of the antiserums.

1. Chalmers, J. N. M.; Ikin, E. W., and Mourant, A. E.: The ABO, MNS and Rh Blood Groups of the Nigerians, Ann. Eugenics **17**: 168, 1953.

2. Miller, E. B.; Rosenfield, R. E., and Vogel, P.: On the Incidence of Some of the New Blood Agglutinogens in Chinese and Negroes, Am. J. Phys. Anthropol. **9**: 115, 1951.

many transfused cells. The serum of the patient contained, beside anti-V, anti-Wr^a. Anti-V gives clear reactions by the indirect antiglobulin method; it also agglutinates V+ cells suspended in albumin. The agglutination of trypsinized V+ cells is powerful but somewhat obscured by weaker "false" agglutination of all trypsinized V– blood cells tested with this serum. It was obviously necessary to dissociate V from other antigens rare in white persons: V+ red blood cells failed to react with anti-C^x, -E^w, -Mi^a, -Be^a, -Vw, -Wr^a. Two examples of the rare Rh genotype *-D-/-D-* did not react with anti-V, nor did an example of the rare Rh genotype *cdeF/cdef*. It seems that the V antigens of white and Negro people must be the same: when anti-V was absorbed by V+ red blood cells from a white person it lost its reaction for V+ Negroes and vice versa. Saliva from a V+ person, as expected, did not inhibit the reaction of anti-V.

that V cannot be efficient at immunizing, but we must remember that the antibody would only be disclosed by a second transfusion of Negro V+ blood and furthermore, that it would be overlooked unless Negro blood were included in the subsequent investigation. The blood of the two English V+ donors was seen surviving in samples from their V– recipients two to three weeks after transfusion. One of these recipients has had a second transfusion of V+ blood without adverse reaction and without making detectable anti-V. The antigen V can hardly be an effective cause of hemolytic disease of the newborn infant; over 20% of Negro matings could provide candidates, yet the disease is relatively uncommon in these people and, when it does occur, is usually attributable to anti-D.

TABLE 3.—*Negro Families Tested for V*

No.	Father	Mother	Children				Home
1.	V– *CDe/cDe* *	V– *CDe/cDE*	V– *CDe/cDE*	V– *cDE/cDe* ‡	V– *CDe/cDe*	V– *CDe/cDe*	Lagos, Nigeria
2.	V– *cDe/cDe* †	V– *cDe/cDe*	V– *cDe/cDe*	.....	.....	.....	Lagos
3.	V– *cDe/cDe*	V– *CDe/cDe*	V– *CDe/cDe*	V– *cDe/cDe*	.....	.....	Lagos
4.	V– *cDe/cDe*	V– *CDe/cDe*	V– *CDe/cDe*	.....	.....	.....	Lagos
5.	V– *cDe/cDe*	V– *cDe/cDe*	V– *cDe/cDe*	V– *cDe/cDe*	V– *cDe/cDe*	V– *cDe/cDe*	Accra, British West Africa
6.	V– *cde/cde*	V– *cDe/cDe*	V– *cDe/cde*	.....	.....	.....	Lagos
7.	V– *cDe/cDe*	V– *cde/cde*	V– (cord blood) *cDe/cde*	.....	.....	.....	Jamaica, West Indies
8.	V+ *cDe/cDe*	V– *cDE/cDe*	V+ (cord blood) *cDE/cDe*	.....	.....	.....	Jamaica
9.	V– *cde/cde*	V+ *cDe/cde*	V– *cde/cde*	.....	.....	.....	Lagos
10.	V– *cDe/cDe*	V+ *cDe/cDe*	V+ *cDe/cDe*	V+ *cDe/cDe*	.....	.....	Accra
11.	V+ *CDe/cDe*	V– *cDe/cDe*	V+ *cDe/cDe*	V+ *cDe/cDe*	.....	.....	Accra
12.	V– *cDe/cDe*	V+ *CDe/cDe*	V+ *cDe/cDe*	V+ *cDe/cDe*	.....	.....	Milwaukee
13.	V+ *CDe/cDe*	V+ *cDe/cDe*	V+ *CDe/cDe*	.....	.....	.....	Lagos
14.	V+ *CDe/cDe*	V+ *cDe/cDe*	V+ *cDe/cDe*	V+ *CDe/cDe*	.....	.....	Accra
15.	V+ *cde/cde*	V+ *cDe/cDe*	V+ *cDe/cde*	V+ *cDe/cde*	V+ *cDe/cde*	.....	Accra

* *CDe/cDe* cannot, without family evidence, be distinguished from *CDe/cde*.
† *cDe/cDe* cannot, without family evidence, be distinguished from *cDe/cde*.
‡ *cDE/cDe* cannot, without family evidence, be distinguished from *cDE/cde*.

Development.—The antigen V is well developed at birth, judging by the cord blood sample in family 8 (table 3).

Sickling.—Blood samples of the West African Negroes were tested for sickling by Dr. Edington or by Dr. Marshall Chalmers. In the first 40 samples (in which there had been some selection for sickling) there was a highly significant association between the presence of sickling and the absence of V (p = about 1 in 1,000). This apparent association was entirely obliterated in the final counts. Perhaps the earlier sample was heterogeneous; heterogeneity was considered as a possible explanation of the association observed by Shapiro and Vandepitte [3] between Rh and sickling in the Congolese Bantu, a Negro tribe in the Belgian Congo.

TRANSFUSION AND PREGNANCY

Tens of thousands of white people must have received blood transfused from Negro donors, yet only Mr. V is known to have responded by making anti-V. It seems

DIFFICULTIES IN FINDING PRECISE PLACE OF V IN Rh SYSTEM

The significantly disturbed distribution of V within the Rh groups of unrelated people and the absolute linkage of V with Rh in the family shown in the figure clearly point to V being part of Rh. Assuming that V is part of Rh then its gene can be part of some *cde* chromosomes (because some *cde/cde* people have the antigen V); the gene *V* can also be part of some *cDe* chromosomes (see figure and table 3, family 9). The evidence is strong that *V* is not usually part of *CDe* or *cDE* chromosomes (because no *CDe/CDe, CDe/cDE, or cDE/cDE* people have yet been found to have V, and this absence is highly significant). If the chromosomes *cde* and *cDe* may carry the gene *V* and if the chromosomes *CDe* and *cDE* usually do not, then we would expect to find a higher frequency of the antigen V in *cde/cde, cDe/cde,* and *cDe/cDe* people than in *CDe/cde, CDe/cDe, cDE/cde,* and *cDE/cDe* people. This expectation was

3. Shapiro, M., and Vandepitte, J.: Blood Groups and the Sickle Cell Trait in the Congo Bantu, Résumés des Rapports et Communications, V^e Congrès International de Transfusion Sanguine, Paris, p. 73, 1954.

not realized in the New York Negroes, and the deviation is a significant one:

	V+	V−
Genotypes involving 2 *cde* or *cDe*	26 (29%)	65
Genotypes involving 1 *cde* or *cDe*	19 (31%)	43

but it was realized in the West Africans where the fit is good:

	V+	V−
Genotypes involving 2 *cde* or *cDe*	43 (46%)	51
Genotypes involving 1 *cde* or *cDe*	17 (35%)	32

The testing of more New York Negroes may solve this puzzle.

Is is unlikely that the gene *V* is allelomorphic to *D*. For example, I-1 in the figure is of the genotype *cDeV/cdev,* and her D antigen is apparently of the usual kind. (The anti-D in use was shown to be free from anti-V by its negative reaction with *cde/cde* V+ red blood cells.) The gene *V* is probably not allelomorphic to *C* or to *E*. Blood containing V can have apparently normal C and c antigens (as, for example, *CDe/cDe*); blood containing V can also have apparently normal E and e antigens (as, for example, *cDE/cDe*). The gene *V* could be an allelomorph of *f*. It is rather striking that the chromosomes that, in Negroes, may have *V* (*cde* and *cDe*) are those that, in whites, with but few exceptions, have *f* (Rosenfield and co-workers [4]).

The Negro samples in tables 1 and 3 were tested with anti-f and, as in whites, those bloods representing the chromosomes *cde, cDe* or *cD^{u}e* possessed the antigen f. Of the New York Negro samples 60 were tested against titrations of anti-f: there was a faint and far from significant hint that those containing the antigen V had a little less f antigen than had those lacking V. This slight hint made us wonder whether our anti-f serum is really anti-f plus anti-V. (Anti-f was one of several antibodies produced by a white patient in New York who had received about 35 transfusions of blood, some of which may have been donated by Negroes.) We have not, by appropriate absorptions, been able to demonstrate anti-V in the anti-f serum, but this does not convincingly exclude its presence there. Had we been able to exclude this possibility of *V* being an allelomorph of *f* we would have looked on it as a representative of a fifth Rh locus—*G*. When better understood, V cannot fail to throw further light on the structure of the Rh genes: already it is of potential clinical, anthropological, and evolutionary importance.

SUMMARY

A "new" blood group antigen has been found that, for the present, is being called V. It is common in Negroes and rare in white persons. Of 150 West Africans, 60 (40%) had V; of 168 New York Negroes, 45 (27%) had V; of 407 London whites, 2 (0.5%) had V; and of 444 New York whites 2 (0.5%) had V. The antigen is inherited as a dominant Mendelian character and belongs to the Rh system. The gene *V* can be part of some *cde* chromosomes and of some *cDe* chromosomes, but its precise place in the system is not yet clear.

300 W. 43rd St. (36) (Dr. Cahan).

4. Rosenfield, R. E., and others: A "New" Rh Antibody, Anti-f, Brit. M. J. **1**: 975, 1953. Sanger, R., and others: Anti-f and the "New" Rh Antigen It Defines, Proc. Nat. Acad. Sc. **39**: 824, 1953.

CHEMICAL LABORATORY

The following report is the result of additional study on caffeine in instant and decaffeinated coffee.

WALTER WOLMAN, Ph.D., *Director.*

INSTANT AND DECAFFEINATED COFFEE

In the report of the Chemical Laboratory in THE JOURNAL, July 23, 1955, page 1030, entitled "Xanthines, Tannins, and Sodium in Coffee, Tea and Cocoa" values for the caffeine content of the coffees examined were based on a gravimetric procedure. Subsequently, it was found that this method leads to erroneous values for caffeine in decaffeinated coffees. Nitrogen determinations by the Kjeldahl method on the residue obtained in the gravimetric procedure lead to results that more accurately represent the actual caffeine contents of coffees. The results reported in table 1 were obtained by the

TABLE 1.—*Actual Amounts of Caffeine, by Kjeldahl Nitrogen Method*

	Average Caffeine, %	Maximum Caffeine per Cup, Mg.
Decaffeinated ground bean coffee		
Brand F	0.03	2.4
Brand G	0.05	4.0
Decaffeinated instant coffee		
Brand F	0.10	2.5
Brand H	0.08	2.0

use of the Kjeldahl nitrogen method. The values expressed as maximum caffeine per cup, in milligrams, are calculated on the basis that 8.0 gm. of the ground bean coffee is equivalent to a rounded tablespoon and 2.5 gm. of the instant coffee is equivalent to a rounded teaspoon. Two hundred fifty milliliters of liquid is taken to represent a cup. If 1.3% is taken as an average for the caffeine content of regular roasted coffee beans, the results obtained indicate that the available decaffeinated ground bean coffees contain roughly one-fortieth of the amount of caffeine found in the regular coffee. The decaffeinated instant coffees also contain about one-fortieth of the amount of caffeine present in regular instant coffees. This is equivalent to 97% or more removal of caffeine from these coffees as has been indicated by various advertising claims. Table 2 gives the caffeine content

TABLE 2.—*Caffeine Content of Regular Instant Coffee, by Kjeldahl Nitrogen Method*

Brand	Average Caffeine, %	Maximum Caffeine per Cup, Mg.
B	3.70	93
D	3.45	86
E	3.95	99

of regular instant coffee determined by the Kjeldahl nitrogen method. The values expressed as maximum caffeine per cup, in milligrams, are again calculated on the basis of 2.5 gm. of the regular instant coffee per 250 ml. cup.

In the note appearing in THE JOURNAL, Aug. 13, 1955, page 1369, some question was raised about the reliability of the analytical procedure used originally. The data now presented indicate that inaccurate results were reported in the original article of July 23 in regard to the caffeine content of instant and decaffeinated coffees.

APPROVED INTERNSHIPS AND RESIDENCIES IN THE UNITED STATES

ANNUAL REPORT ON INTERNSHIPS AND RESIDENCIES BY THE COUNCIL ON MEDICAL EDUCATION AND HOSPITALS OF THE AMERICAN MEDICAL ASSOCIATION

Edward H. Leveroos, M.D., Arthur N. Springall, M.D. and Carl T. Heinze, M.S.H.A.

Annual Report

This 29th Annual Report of the Council on Medical Education and Hospitals presents information and statistical data on intern and resident training programs conducted in Council-approved hospitals located in the United States, Canal Zone, Hawaii, and Puerto Rico. The report is composed of descriptive material; statistical tables; information on the National Intern Matching Program, the Ad Hoc Committee on Internships, and the Internship Review Committee; and a brief report on foreign physicians serving as interns and residents in approved hospitals.

The material presented in the report was compiled from information submitted by hospitals approved for intern and resident training. The number of interns and residents serving and the number of vacancies in the intern and resident staff quoted in the statistical tables indicate the situation as of Sept. 1, 1954. Accordingly, there is a difference between the statistics presented in the tables and those in the lists of approved services, since the latter refer to appointments for the year beginning July 1, 1956.

Following the report, there are published lists of hospitals offering approved internships and residencies. The first list is devoted to hospitals approved for intern training, in which hospitals are listed by city and state; information is included on the type of control, the total number of beds, annual admissions, availability of outpatient services, the autopsy rate, the length of the program, affiliated services, the stipend, and the number and type of internships offered. A second classification lists these hospitals according to types of internships offered. The second section lists the approved residencies according to medical specialty, giving statistical data for the particular service, the name of the chief of service, and other pertinent information similar to that included in the internship list. In addition, hospitals approved for resident training are listed on a geographical basis, giving the specialties for which each hospital is approved.

The Annual Report and the lists referred to above, together with information on all approved examining boards in the medical specialties, are reprinted annually as the Directory of Approved Internships and Residencies.[1] The Council will furnish copies of this directory upon request. The publication of this report and the lists of approved hospitals is made possible through the cooperation of the medical staffs and the administrators of hospitals in which approved intern and resident programs are conducted. The Council gratefully acknowledges their support and assistance in providing the statistical data on which this report is based.

1. Information on the examining boards in medical specialties will be published in THE JOURNAL, Oct. 1, 1955.

The Council has collaborated with the following organizations in approving residency programs:

Advisory Board for Medical Specialties
American Academy of General Practice
American Board of Anesthesiology
American Board of Dermatology and Syphilology
American Board of Internal Medicine
  Subspecialty Board on Allergy
  Subspecialty Board on Cardio-Vascular Diseases
  Subspecialty Board on Gastroenterology
  Subspecialty Board on Pulmonary Diseases
American Board of Neurological Surgery
American Board of Obstetrics and Gynecology
American Board of Ophthalmology
American Board of Orthopedic Surgery
American Board of Otolaryngology
American Board of Pathology
American Board of Pediatrics
  Subspecialty Board on Allergy
American Board of Physical Medicine and Rehabilitation
American Board of Plastic Surgery
American Board of Preventive Medicine
American Board of Proctology
American Board of Psychiatry and Neurology
American Board of Radiology
American Board of Surgery
American Board of Urology
Board of Thoracic Surgery
American College of Physicians
American College of Surgeons

The Council expresses its appreciation to these organizations for their invaluable assistance, active participation, and continuing interest in the residency approval program.

The Annual Report is published for the information of the medical profession, medical educators, hospital administrators, and others interested in medical education at the internship and residency levels. It is hoped that the material contained in the report will be of value to young physicians and medical students in their efforts to further their training and in beginning their professional careers.

Internships

Table 1 presents a summary for the past 10 years of the number of hospitals approved for intern training and the number of approved internships. Last year, 844 hospitals offered 10,624 internships available as of July 1, 1955. This year there are 850 approved hospitals offering 11,048 internships, an increase of 6 approved hospitals and 424 internships. During the past 10 years, there has been an increase of 52 in the number of hospitals (7%), while the number of internships has increased from 8,584 to 11,048, or 29%. Ten years ago, the average number of interns per hospital was 10.8; in 1955, the average number is 12.9. It is significant to note that when the Council published its first list of approved hospitals in 1914, this list designated 603 hospitals that

offered 3,095 approved internships, an average of 5.1 interns per hospital. In comparing these data with the 1955 figures, there is an increase of 41% in the number of approved hospitals, while the number of internships has increased 257%.

The disparity between the number of approved internships and the number of American medical school graduates available each year to fill them is gradually increasing. There were 6,960 such graduates in 1955.

TABLE 1.—*Approved Hospitals and Internships, 1946-1955*

Year of Publication	No. of Hospitals	No. of Internships *
1946	798	8,584
1947	764	8,539
1948	807	9,118
1949	807	9,124
1950	799	9,398
1951	828	10,044
1952	865	11,467
1953	856	11,006
1954	844	10,624
1955	850	11,048

* U. S. Army and U. S. Navy hospitals and those outside the United States not included in 1946 and 1947 figures.

The disparity this year is therefore more than 4,000 internships, of which number less than one-half are filled by foreign medical school graduates. The Ad Hoc Committee on Internships in its final report to the House of Delegates recommended that hospitals offering intern training carefully reevaluate their individual needs for interns in an effort to reduce the number of vacant internships. It is of interest to note that 95% of currently approved hospitals will accept women medical graduates as interns and 19% of the approved hospitals offer dental internships; 79% are approved for residency training in one or more specialties. Hospitals offering approved internships located outside of continental United States include one in the Canal Zone, four in Hawaii, and five in Puerto Rico.

INTERNSHIPS, BY TYPE OF SERVICE

A breakdown of the number of approved internships by type of service is shown in table 2, including the number and percentage of those reported filled and vacant on Sept. 1, 1954. A total of 1,062 approved intern programs were offered in 850 hospitals. The total number of internships offered was 11,048. Of this number, 9,807, or 89%, were rotating in type. Straight internships, which included straight service assignments in the fields of internal medicine, pediatrics, surgery, obstetrics-gynecology, and pathology, showed the next largest number with 1,109 (10%) internships offered in this category. Mixed internships numbered 132, slightly more than 1%. In all instances, the percentage of internships offered in the three categories were the same as those for the previous year. The percentage of internships filled has increased slightly over last year's figures. Rotating internships were 82% filled on Sept. 1, 1954, as compared with a figure of 79% for the previous year. Mixed internships showed 82% against 68% for last year. Straight internships were 85% filled as compared with a previous percentage of 78.

Considering straight internships, there was an increase in those filled in internal medicine, pediatrics, and surgery. Internships in obstetrics-gynecology and pathology showed a low percentage of occupancy, probably due to the fact that the status of these straight services had not been clarified following the action of the House of Delegates in December, 1952, recommending elimination of these two categories. The Council has subsequently taken action regarding the straight internship in obstetrics-gynecology, all hospitals approved for this type of training having been notified that approval will be discontinued effective June 30, 1957. Final action concerning the straight internship in pathology is expected to be taken at the 1955 Interim Session of the American Medical Association in November.

The over-all figure for internships filled for 1954-1955 was 82%, an increase of 4% over 1953-1954. The number of vacant internships for all types dropped from 2,267 to 1,982, a decrease of 285. A further breakdown of these vacancies appears later in the report. The increased figure for internships filled is attributed to an increase of foreign medical school graduates serving as interns. The increase in American graduates, 99 more than in 1954, accounts for a part of the increase; however, there were approximately 2,000 more internships filled in 1954-1955 than there were American medical school graduates for that year.

INTERNSHIPS, BY TYPE OF HOSPITAL CONTROL

Table 3 shows the distribution of internships according to type of hospital control. Of the 11,048 approved internships, 629 (5.5%) were offered by federal hospitals; 3,404 (31%) by nonfederal governmental institutions; 6,954 (63%) were available in nongovernmental hospitals, and 61 (less than 1%) in proprietary hospitals. From the standpoint of positions filled on Sept. 1,

TABLE 2.—*Number of Internships, by Type of Service, 1954-1955*

Type of Internship	No. of Approved Programs	No. of Internships: Filled Sept. 1, 1954	No. of Internships: Vacant Sept. 1, 1954	No. of Internships: Percentage Filled
Rotating general	804	7,958	1,762	82
Other rotating	30	60	27	69
Totals	834	8,018	1,789	82
Mixed	25	108	24	82
Straight				
Internal Medicine	71	496	53	90
Surgery	58	299	63	83
Pediatrics	42	110	19	85
Obstetrics-gynecology	8	10	15	40
Pathology	24	25	19	57
Totals	203	940	169	85
Grand totals	1,062*	9,066	1,982	82

* Number of internship programs in 850 approved hospitals.

1954, three of the federal services group—the Public Health Service hospitals with an occupancy rate of 100%, Army hospitals with a rate of 99%, and Navy hospitals with 97% of their positions filled—and two of the nonfederal governmental group—county hospitals with 96% of their positions filled and city-county hospitals with an occupancy rate of 93%—were well above the average for all internships.

The governmental-controlled hospitals, both federal and nonfederal, showed an increase in the percentage of positions filled over last year; in 1954-1955 figures

were 89% in both instances, while those for the previous year were 82% and 84% respectively. The nongovernmental group of hospitals had an occupancy rate of 78% this year, an increase of 3% over last year. The proprietary hospitals showed the lowest percentage of positions filled, with a rate of 67%. Paralleling the increased percentage of intern positions filled, there was an actual

TABLE 3.—*Number of Internships, by Type of Hospital Control, 1954-1955*

Control	No. of Approved Hospitals	No. of Internships: Filled Sept. 1, 1954	No. of Internships: Vacant Sept. 1, 1954	No. of Internships: Percentage Filled
Federal				
U. S. Army	8	208	1	99
U. S. Navy	14	175	5	97
U. S. Public Health Service	7	72	..	100
Veterans Administration	9	88	50	64
Other federal	2	15	15	50
Totals	40	558	71	89
Governmental (nonfederal)				
State	27	629	171	79
County	33	830	31	96
City	51	1,204	158	88
City-county	17	354	27	93
Totals	128	3,017	387	89
Nongovernmental				
Church operated	76	585	172	77
Church related	246	1,768	535	77
Nonprofit corporations	350	3,097	797	79
Totals	672	5,450	1,504	78
Proprietary				
Partnership	1	4	4	50
Corporations unrestricted as to profit	9	37	16	70
Totals	10	41	20	67
Grand totals	850	9,066	1,982	82

increase in the number of interns on duty, 9,066 this year as compared to 8,275 last year. The average number of internships offered for federal hospitals was 15.7; the average number filled was 13.9. The figures for the nonfederal governmental hospitals were 26.6 and 23.6 respectively; for the nongovernmental group, 10.4 and 8.1; and for the proprietary hospitals, 6.1 and 4.1. The average number of internships available considering all hospitals was 12.9; the average number of internships filled was 10.6.

INTERNSHIPS, BY MEDICAL SCHOOL AFFILIATION AND BED CAPACITY

In this report and in the list of approved internships that follows, hospitals have been classified as "major teaching," "minor teaching," and "nonaffiliated," such classifications being based on the extent to which medical schools utilize these hospitals for undergraduate education. A "major teaching" hospital is one that is considered by the school as being a major unit in its undergraduate clinical clerkship program, while a "minor teaching" hospital is one utilized to a limited extent for undergraduate instruction. A "nonaffiliated" hospital is one not designated by a medical school as participating in such a program. Table 4 presents a statistical analysis of internships based on this classification.

The 140 hospitals designated as major units constituted 16% of approved hospitals for 1954-1955. They offered 4,017 internships, or 36%, of the total number. There were 73 minor teaching hospitals, or 9%, in which 849, or 8%, of internships were offered. By far the largest group of approved hospitals was that classified as nonaffiliated, of which there were 637, or 75%. This group offered 6,182 internships, or 56% of the total number.

The major teaching units had the highest internship occupancy rate—85%; the nonaffiliated group the lowest rate—80%. These rates were based on data as of Sept. 1, 1954. All three groups showed an appreciable increase in the percentage of internships filled over last year. The major units showed a 3% increase; the minor units had an occupancy rate of 81% as compared with 77% for the previous year; the nonaffiliated group showed a 4% increase. Occupancy rates varied from a low of 65% in hospitals with less than 200 beds to a high of 92% in hospitals with 500 or more beds; both these extremes occurred in minor teaching units.

The general trend indicates that the larger hospitals filled a higher percentage of their intern positions than did the small hospitals. This generalization is not directly applicable to the major teaching group, in which hospitals with less than 200 beds showed an occupancy rate of 87% while those classified as having 500 or more beds had a rate of 86%. The trend is borne out, however, if the data for hospitals of the same bed capacities are combined for major teaching, minor teaching, and nonaffiliated. The intern occupancy rates for this grouping are: hospitals of less than 200 beds, 77%; those having 200 to 299 beds, 76%; those with 300 to 499 beds, 83%; and those of 500 or more beds, 87%. Based on these statistics, it is evident that hospitals having a bed capacity of more than 300 filled an appreciably higher percentage of their internships than hospitals having less than this number.

TABLE 4.—*Number of Internships, by Medical School Affiliation and Bed Capacity, 1954-1955*

Classification	No. of Approved Hospitals	No. of Internships: Filled Sept. 1, 1954	No. of Internships: Vacant Sept. 1, 1954	No. of Internships: Percentage Filled
Nonaffiliated				
Less than 200 beds	169	707	209	77
200-299	249	1,518	489	76
300-499	168	1,717	389	81
500-over	51	993	130	89
Totals	637	4,965	1,217	80
Major teaching				
Less than 200 beds	11	97	14	87
200-299	19	174	37	82
300-499	46	776	156	83
500-over	64	2,364	399	86
Totals	140	3,411	606	85
Minor teaching				
Less than 200 beds	18	71	38	65
200-299	21	123	56	68
300-499	26	303	48	86
500-over	8	193	17	92
Totals	73	690	159	81
Grand totals	850	9,066	1,982	82

INTERNSHIPS, BY CENSUS REGION AND STATE

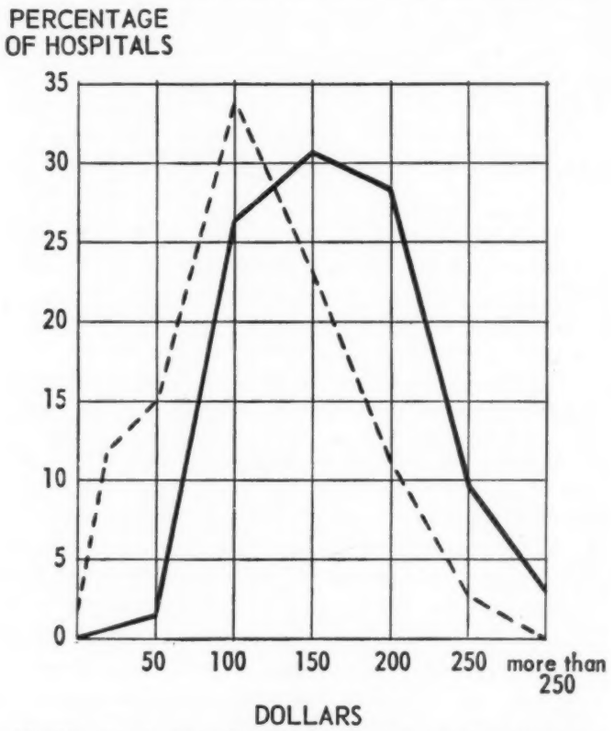
Table 5 shows a breakdown of the number of approved internships filled and vacant by states, as of Sept. 1, 1954, with a summarization by census region. As indicated in previously presented data, there has been an

TABLE 5.—*Number of Internships, by Census Region and State, 1954-1955*

Census Region and State	No. of Approved Hospitals	No. of Internships: Filled Sept. 1, 1954	No. of Internships: Vacant Sept. 1, 1954	No. of Internships: Percentage Filled
New England				
Maine	4	16	11	59
New Hampshire	1	14	..	100
Vermont	2	20	2	91
Massachusetts	37	333	39	89
Rhode Island	6	44	14	76
Connecticut	21	152	29	84
Totals	71	579	96	86
Middle Atlantic				
New York	104	1,444	176	89
New Jersey	42	344	41	90
Pennsylvania	78	675	228	75
Totals	224	2,463	445	84
East North Central				
Ohio	49	603	70	90
Indiana	17	106	77	58
Illinois	63	636	149	81
Michigan	34	462	87	84
Wisconsin	22	162	45	78
Totals	185	1,969	428	83
West North Central				
Minnesota	14	183	35	84
Iowa	11	60	34	64
Missouri	25	294	134	69
North Dakota	4	9	7	56
South Dakota	3	16	4	80
Nebraska	9	51	10	84
Kansas	7	60	26	70
Totals	73	673	250	73
South Atlantic				
Delaware	3	24	4	85
Maryland	21	219	64	78
District of Columbia	11	160	32	83
Virginia	19	159	37	81
West Virginia	7	34	15	69
North Carolina	12	128	48	72
South Carolina	7	85	17	83
Georgia	12	155	15	91
Florida	13	133	15	90
Totals	105	1,097	247	82
East South Central				
Kentucky	8	76	28	73
Tennessee	14	171	39	81
Alabama	9	55	46	55
Mississippi	2	5	8	38
Totals	33	307	121	72
West South Central				
Arkansas	4	37	8	82
Louisiana	10	184	60	75
Oklahoma	7	56	26	68
Texas	27	330	106	76
Totals	48	607	200	75
Mountain				
Montana	2	8	5	38
Colorado	12	140	10	93
Arizona	6	55	6	90
Utah	7	51	23	69
Totals	27	249	44	85
Pacific				
Washington	15	152	35	81
Oregon	7	64	25	72
California	52	802	81	91
Totals	74	1,018	141	88
Territories and Possessions				
Canal Zone	1	12	..	100
Hawaii	4	48	3	94
Puerto Rico	5	44	8	85
Totals	10	104	11	90
Grand totals	850	9,006	1,982	82

increase in the internship occupancy rate of 4% over last year; this increase is reflected in the rates for the census regions, each region in the continental United States having a higher rate than last year. Hospitals located outside the continental United States—those in the Canal Zone, Hawaii, and Puerto Rico—had 90% of their intern positions filled, the highest regional figure. The Pacific region had an occupancy rate of 88%, the highest in the United States. The region having the lowest percentage of intern positions filled was the East South Central region, with a rate of 72%. Occupancy rates varied in individual states from 100% in New Hampshire to 38% in Mississippi and Montana. These states, however, represent a small number of hospitals with one hospital approved in New Hampshire, while Montana and Mississippi each have two approved hospitals.

It is of interest to note that in the Middle Atlantic States—New York, New Jersey, and Pennsylvania—



Monthly stipends, by medical school affiliation, excluding federal hospitals. Solid line indicates nonaffiliated hospitals (609) and dashed line indicates affiliated hospitals (201). Abscissa gives upper level of stipend range.

there are located more than one-fourth of all approved hospitals, one-fourth of the approved internships, and one-fourth of all interns on duty in approved hospitals. These figures correspond roughly to the proportion of the total population of the United States living in these three states. Of these three states, Pennsylvania showed the smallest percentage of internships filled, 75%, which was considerably below the national average. There are no hospitals approved for intern training in Idaho, New Mexico, Nevada, and Wyoming.

INTERNSHIP STIPENDS

A survey of the allowances offered interns in approved hospitals is shown in table 6. In tabulating these statistics, the number of hospitals paying a monthly stipend in the designated category is indicated in the first column

under each listed stipend range. The number in the second, third, and fourth columns show the allowances given the intern in addition to the monetary stipend. Additional allowances offered refer to such items as laundry, uniforms, bonus, and health insurance.

All federal hospitals have been omitted from this listing. For purposes of comparison, hospitals have been classified as nonaffiliated and affiliated (major and minor teaching) groups. In the nonaffiliated group, which comprises three-fourths of the approved hospitals, the greatest concentration of cash stipends is centered in the classification $101-$150 (table 6). All hospitals in this group pay a cash stipend; only one pays $25 or less, and 17 pay more than $250. In addition to the stipend, 529 hospitals, or 87%, offer full maintenance; 61, or 10%, give partial maintenance; and 19 hospitals, or 3%, paid a cash stipend only. Other additional allowances are offered by 498 hospitals, or 82% of the group.

concluded that the amount of the stipend is not the decisive factor for the graduating medical student in determining which internship he will select.

AUTOPSY RATES

A 25% autopsy rate on hospital deaths must be maintained by each hospital to qualify for approval for intern training. For the last reporting period (1954), all hospitals approved for internships submitted data from which their autopsy rates were computed. The average autopsy rate for these hospitals was 45%, or 20% more than the required minimum standard. The rate for federal hospitals was 61%; for other hospitals located in the United States, 44%, and for approved hospitals located outside the United States, 53%. Twenty-five hospitals (3%) had an autopsy rate of less than 25%. These hospitals must raise their autopsy rate for the next reporting period in order to qualify for continued approval. Table 7 includes a list of 20 federal and 20 nonfederal hospitals, approved for internships during the reporting period, that had the highest autopsy rates. The autopsy rate is considered an accurate index of the interest of the medical staff and the hospital administration in medical education and in scientific medical progress. Two-thirds of these listed hospitals were named in a similar table.[2]

TABLE 6.—*Stipends, by Medical School Affiliation and Bed Capacity, 1954-1955* *

	None				$25 or Less				$26-$50				$51-$100				$101-$150				$151-$200				$201-$250				$251-Over				
	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals	Full Maintenance	Partial Maintenance	Additional Allowances	No. of Hospitals
Nonaffiliated																																	
Less than 200 beds...	..	..	..	..	1	1	..	1	3	3	..	3	37	33	3	30	58	55	2	45	46	45	1	32	17	13	3	15	7	2	5	7	169
200-299	..	..	..	..	..	..	..	..	4	4	..	3	65	65	..	55	72	60	12	61	75	70	4	65	24	15	7	19	7	2	3	5	247
300-499	..	..	..	..	..	..	..	..	4	4	..	4	52	48	3	44	45	41	4	35	40	32	7	32	15	8	4	13	2	1	..	2	158
500-over	..	..	..	..	..	..	..	..	1	1	..	1	11	11	..	8	11	9	2	9	9	4	..	7	2	1	1	2	1	1	..	..	35
Totals	..	..	..	..	1	1	..	1	12	12	..	11	165	157	6	137	186	165	20	150	170	151	12	136	58	37	15	49	17	6	8	14	609
Affiliated (Major and Minor Teaching)																																	
Less than 200 beds...	..	..	..	..	1	1	..	1	3	3	..	2	7	7	..	7	11	8	2	9	4	2	1	3	2	2	..	2	..	..	..	..	28
200-299	..	..	..	..	2	2	..	2	4	4	..	4	22	20	2	16	9	7	2	7	3	2	1	1	..	..	..	..	..	..	..	..	40
300-499	2	2	..	1	6	6	..	6	8	8	..	7	25	21	4	18	16	10	5	11	9	6	2	8	3	1	1	1	..	..	..	..	69
500-over	2	1	..	1	15	14	1	13	15	14	1	10	15	14	1	13	10	4	3	8	6	2	1	5	1	..	..	1	..	..	..	..	64
Totals	4	3	..	2	24	23	1	22	30	29	1	23	69	62	7	54	46	29	12	35	22	12	5	17	6	3	1	4	..	..	..	..	201
Grand totals	4	3	..	2	25	24	1	23	42	41	1	34	234	219	13	191	232	194	32	185	192	163	17	153	64	40	16	53	17	6	8	14	810*

* Excludes federal hospitals.

In the affiliated group of 201 hospitals, the largest number pay stipends in the $51-$100 range. Four hospitals that have 300 or more beds give no monetary allowance. Only six hospitals in this group offer more than $200, and no hospital offers more than $250. A total of 161, or 80%, of these hospitals furnish full maintenance; 27, or 13%, furnish partial maintenance; and 13, or 7%, pay only a cash stipend. One hundred fifty-seven hospitals, representing 78% of this group, offer other prerequisites.

The average cash stipend offered interns by the nonaffiliated group for the year 1955 is $136 monthly; the amount paid by the affiliated hospitals is considerably less, the average being $87 per month. These averages are almost the same as last year's figures, which were $135 and $84 respectively. Although the average stipend in the nonaffiliated hospitals is $49 higher than that for the affiliated hospitals, the over-all internship occupancy rate for nonaffiliated hospitals for 1955 is 80%; that for the affiliated hospitals is 84%. It may, therefore, be con-

AD HOC COMMITTEE ON INTERNSHIPS

The Ad Hoc Committee on Internships, a special committee composed of members of the House of Delegates of the American Medical Association, which was appointed in February, 1954, presented its final report last November.[3] This report was the result of an exhaustive

2. Approved Internships and Residencies in the U. S.: Annual Report of Internships and Residencies by the Council on Medical Education and Hospitals of the American Medical Association, J. A. M. A. **156**: 315 (Sept. 25) 1954.

3. Report of the Ad Hoc Committee on Internships, Proceedings of the Miami Clinical Meeting, J. A. M. A. **157**: 48-52 (Jan. 1) 1955.

study of the internship and its problems and included specific conclusions and recommendations. It was referred to the Council on Medical Education and Hospitals for its study and guidance. The Council presented a summary of the report to the House of Delegates, which was adopted in June, 1955.[4] The conclusions and recommendations of the Ad Hoc Committee on Internships, as presented by the Council and adopted by the House of Delegates, will be incorporated in a revision of the Essentials of an Approved Internship, to be published in January, 1956.

TABLE 7.—*Internship Hospitals with Highest Autopsy Rates, 1954*

FEDERAL

1.	U. S. Naval Hospital, Jacksonville, Fla	99
2.	Valley Forge Army Hospital, Phoenixville, Pa	95
3.	Veterans Administration Hospital, Houston, Texas	91
4.	Brooke Army Hospital, Fort Sam Houston, San Antonio, Texas	91
5.	Fitzsimons Army Hospital, Denver	90
6.	U. S. Naval Hospital, Bremerton, Wash	90
7.	U. S. Public Health Service Hospital, Seattle	90
8.	Letterman Army Hospital, San Francisco	89
9.	U. S. Naval Hospital, Portsmouth, Va	87
10.	U. S. Naval Hospital, San Diego, Calif	86
11.	U. S. Naval Hospital, Great Lakes, Ill	86
12.	U. S. Naval Hospital, Oceanside, Calif	85
13.	Veterans Administration Hospital, Oklahoma City	85
14.	Madigan Army Hospital, Tacoma, Wash	85
15.	Gorgas Hospital, Ancon, C. Z	85
16.	Walter Reed Army Hospital, Washington, D. C	84
17.	Veterans Administration Hospital, Los Angeles	83
18.	U. S. Naval Hospital, Oakland, Calif	83
19.	Veterans Administration Hospital, McKinney, Texas	83
20.	Tripler Army Hospital, Honolulu, T. H	83

NONFEDERAL

1.	St. Luke's Hospital, Duluth, Minn	94
2.	Childrens Hospital, Los Angeles	91
3.	Overlook Hospital, Summit, N. J	90
4.	University of Illinois Research and Educational Hospitals, Chicago	88
5.	University of Nebraska Hospital, Omaha	88
6.	Mary Hitchcock Memorial Hospital, Hanover, N. H	84
7.	University of Minnesota Hospitals, Minneapolis	83
8.	Miami Valley Hospital, Dayton, Ohio	83
9.	Milwaukee Children's Hospital, Milwaukee	83
10.	Children's Medical Center, Boston	82
11.	Montana Deaconess Hospital, Great Falls, Mont	82
12.	Lincoln General Hospital, Lincoln, Neb	80
13.	Colorado General Hospital, Denver	79
14.	Providence Hospital, Portland, Ore	79
15.	Evanston Hospital, Evanston, Ill	78
16.	Minneapolis General Hospital, Minneapolis	78
17.	Norwegian Lutheran Deaconesses' Home and Hospital, Brooklyn	78
18.	North Carolina Memorial Hospital, Chapel Hill, N. C	78
19.	Mary Fletcher Hospital, Burlington, Vt	77
20.	University Hospital, Ann Arbor, Mich	76

INTERNSHIP REVIEW COMMITTEE

The Internship Review Committee was established early in 1954. It is a permanent committee that acts in an advisory capacity to the Council. It recommends approval or disapproval of new and currently approved intern training programs, after a thorough analysis of the data submitted by the hospital and review of the report of the field representative of the Council that is submitted on completion of his survey of the program. In setting up the committee the Council has sought the cooperation of other national organizations concerned with intern education. In addition to members of the Council, the committee includes representation from the American Hospital Association, the Association of American Medical Colleges, the Federation of State Medical Boards in the United States, and the American Academy of General Practice. This committee continuously studies the problems and the content of the internship and makes recommendations to the Council that will assure the maintenance of high educational standards in approved hospitals and a year of sound clinical education and experience for the intern.

NATIONAL INTERN MATCHING PROGRAM

The National Intern Matching Program has completed four years of successful operation as the agent for appointing medical school graduates to internships in hospitals approved for such training by the Council on Medical Education and Hospitals. As a result of a detailed study of the policies and methods of the Matching Program, the Ad Hoc Committee on Internships concluded: "It is the opinion of this committee that the mechanical plan of matching interns and hospitals, as accomplished by the National Intern Matching Program, is more efficient than any other plan previously used and gives full effect to the freely expressed desires of both hospital and intern with complete objectivity. The committee approves of the Matching Plan."

The Ad Hoc Committee pointed out that there was some criticism of the program due, in all probability, to a misunderstanding of the method of operation. Acting on this information, the Matching Program began an intensive effort to provide detailed information regarding its activities to all concerned, including medical schools, approved hospitals, graduating medical students, and the medical profession as a whole. Explanatory material was distributed to interested individuals and organizations, outlining the policies and methods of operation of the Matching Program.

Other organizations interested in the internship along with the Council on Medical Education and Hospitals of the American Medical Association determine the policies under which the program operates. These are the American Hospital Association, the American Protestant Hospital Association, the Catholic Hospital Association, and the Association of American Medical Colleges. Also on the policy-making committee are two medical student representatives; one is appointed by the Student American Medical Association, the other is a student delegate at large. Each of the federal services conducting intern training programs has a liaison representative to the committee.

The National Intern Matching Program offers a method of intern placement consistent with American principles of individual freedom. Its basic principle of operation is to preserve freedom of choice for both the student and the hospital. The program does not approve, restrict, or control the internships offered by hospitals; it does not allocate or distribute interns. Its sole purpose is to facilitate the orderly placement of senior medical students in first year internships.

Hospitals participating in the program are limited to those approved by the Council on Medical Education and Hospitals for intern training. In the internship and residency section of THE JOURNAL, as prepared and pub-

4. Report of the Council on Medical Education and Hospitals, Organization Section, J. A. M. A. 158: 53-54 (May 7) 1955.

lished by the Council, hospitals offering approved internships that do not participate in the Matching Program are appropriately designated. The directory of participating hospitals, as distributed to all senior medical students by the Matching Program, is based on the Internship and Residency Number of THE JOURNAL; hospitals not participating in the program are not included in the reprint that is sent to the applicants for internships and to medical schools. The Matching Program sends to each senior medical student a pamphlet explaining in detail its purpose and its method of operation. Due to the efforts made to clarify the operations of the program, there is a better understanding of its work than previously existed. The program has been established as the official and generally accepted method of appointing interns.

For the year 1955-1956, more than 98% of the hospitals approved by the Council for intern training participated in the Matching Program. Approximately 96% of graduating medical students in 1955 registered in the program. Of the 6,713 students seeking appointments, 6,379, or 95%, were successfully matched. Of this number, 76% were matched with hospitals they had listed as their first choice; 14% were matched with hospitals they had listed as their second choice; and 10% were matched with hospitals they had listed as third choice or lower. A total of 334 students were not matched. The number of unmatched participants is attributed to the fact that in general they had applied to a limited number of hospitals. This resulted in restricting their chances for appointment, since the hospitals listed had filled their quotas with applicants whom they preferred or did not wish to appoint the particular student as intern.

Of the hospitals participating in the Matching Program, 16% completely filled their intern quotas; 52% partially filled their quotas, while 32% had no interns matched. Student participation in the Matching Program is expected to increase slightly for the year 1956-1957. The return of Matching Program Agreements, which have been distributed to approved hospitals for 1956-1957, indicate that at least an equal number of hospitals will participate in the program, as did last year.[5]

INTERNS AND RESIDENTS FROM FOREIGN COUNTRIES

According to a survey made by the Institute of International Education in September, 1954, there were 5,036 graduates of foreign medical schools in 83 countries serving as interns or residents in United States hospitals approved by the Council for this training.[6] This figure applied to citizens of other countries who intend to return to their home countries when their training assignments in the United States are completed; it did not include displaced persons, physicians coming to the United States to establish residence, or persons from United States possessions and territories; nor did it include foreign physicians serving in hospitals not approved by the Council. The 12 countries having the largest representation were: Philippines 776, Canada 520, Mexico 425, Germany 323, Turkey 253, Italy 242, Cuba 184, China 170, India 165, Korea 151, Greece 155, and Japan 139.

McCormack and Feraru [6] reported that of the total number of foreign physicians taking graduate training in this country, 3,275, or 65%, were serving as residents; 1,761 were interns. In tabulating statistics on the residents taking specialty training, it was found that the two largest groups were in general surgery and general medicine. Other fields in which training was being given were, in order, obstetrics and gynecology, pediatrics, pathology, psychiatry, anesthesiology, radiology, and otolaryngology.

These foreign physicians were found to be training in 42 states, the District of Columbia, Puerto Rico, Hawaii, and the Canal Zone. A total of 1,186, 24%, were concentrated in the state of New York. Other states having sizable numbers of these physicians were Ohio, 424; Massachusetts, 405; Illinois, 396; New Jersey, 348; Pennsylvania, 262; Missouri, 216; Michigan, 184; Maryland, 172; and California, 160.

The present policy of the Council is that graduates of foreign medical schools may be appointed to the intern or resident staff of a hospital without prejudice to its approved status. Responsibility for the evaluation of the applicant's qualifications must be assumed by the hospital, however, in those cases in which the applicant is a graduate of a school other than those included in the list prepared by the Council in collaboration with the Association of American Medical Colleges.[7]

The Cooperating Committee on Evaluation of Graduates of Foreign Medical Schools is presently studying the entire problem of foreign medical school graduates, with particular reference to graduate training for these physicians. The Committee is composed of representatives of the following interested organizations: the Council on Medical Education and Hospitals of the American Medical Association, the American Hospital Association, the Association of American Medical Colleges, and the Federation of State Medical Boards in the United States.

Residencies

The further expansion of residency training in the United States is reflected in the three tables included in this section of the Annual Report. The Council currently approves residency programs in 29 specialties and subspecialties. These programs are conducted in 1,181 general or special hospitals, the majority of which are also approved for intern training.

Early in 1953, the Council entered into discussions with the American boards in the medical specialties for the purpose of establishing joint committees with representatives from both organizations, the function of these committees being primarily that of responsibility for the evaluation and approval of residency programs in the specialty concerned. The forerunner for these committees was the Residency Review Committee for

5. For further information on the program, address request to Director of Operations, National Intern Matching Program, Room 2009, 185 N. Wabash Ave., Chicago 1.

6. McCormack, J. E., and Feraru, A.: Alien Interns and Residents in the United States, J. A. M. A. **158**: 1357 (Aug. 13) 1955.

7. Medical Licensure Statistics for 1954, 53rd Annual Presentation of Licensure Statistics by the Council on Medical Education and Hospitals of the American Medical Association, J. A. M. A. **158**: 292 (May 28) 1955.

Internal Medicine, which was originally established prior to World War II with representatives from the Council, the American Board of Internal Medicine, and the American College of Physicians. In 1950 a similar committee, the Conference Committee on Graduate Training in Surgery, was established. As in internal medicine, this committee included representatives from the college, as well as from the board, i. e., American College of Surgeons and American Board of Surgery. Residency Review Committees are now functioning in 16 separate fields including dermatology, internal medicine, neurological surgery, ophthalmology, orthopedic surgery, otolaryngology, pediatrics, physical medicine, plastic surgery, preventive medicine, proctology, psychiatry, radiology, surgery, and urology. A Residency Review Committee for General Practice with representatives from the American Academy of General Practice and the Council has been established during the past year. In four specialties, anesthesiology, obstetrics-gynecology, pathology, and thoracic surgery, the Council approves programs in concurrence with the board concerned, each organization however, taking action unilaterally.

TABLE 8.—*Number of Residencies, by Specialty, 1954-1955*

Specialty	No. of Approved Programs	No. of Residencies: First Year Appointments, Filled Sept. 1, 1954	First Year Appointments, Vacant Sept. 1, 1954	First Year Appointments, Percentage Filled	Total Appointments (All Years), Filled Sept. 1, 1954	Total Appointments (All Years), Vacant Sept. 1, 1954	Total Appointments (All Years), Percentage Filled
Allergy	17	16	7	70	20	14	59
Anesthesiology	188	415	91	82	849	180	83
Cardiovascular disease	29	33	5	89	57	11	84
Contagious diseases	11	22	2	92	27	2	93
Dermatology-syphilology	76	90	12	89	226	33	87
Gastroenterology	23	27	6	82	51	12	81
General practice	155	346	133	72	404	210	66
Internal medicine	578	1,689	396	81	3,919	909	81
Malignant diseases	11	21	7	75	25	9	74
Neurological surgery	74	68	15	82	219	43	84
Neurology	79	93	41	69	188	82	70
Obstetrics	63	94	16	86	142	28	82
Gynecology	12	16	1	94	50	1	98
Obstetrics-gynecology	374	637	100	86	1,597	218	80
Ophthalmology	168	196	47	81	517	99	84
Orthopedic surgery	261	246	68	78	769	175	81
Otolaryngology	112	100	62	62	267	126	68
Pathology	512	486	247	66	1,130	637	64
Pediatrics	246	638	84	88	1,197	164	88
Physical medicine	52	39	34	53	79	86	48
Plastic surgery	31	17	8	72	62	10	86
Preventive medicine	17	21	44	32	26	45	37
Proctology	12	6	5	55	21	10	68
Psychiatry	265	705	323	69	1,800	706	72
Pulmonary diseases	100	187	63	75	270	98	73
Radiology	415	451	228	66	1,219	404	75
Surgery A *	532	1,584	165	91	4,513	423	91
Surgery B †	126	171	52	77	219	83	73
Thoracic surgery	68	72	8	90	145	18	90
Urology	227	158	74	68	486	156	76
Totals	4,834	8,644	2,345	79	20,494	4,992	80

* Surgery A includes programs leading to certification by the American Board of Surgery.

† Surgery B includes programs approved as offering training in general surgery in preparation for a residency in a surgical specialty.

The following section of the Report presents statistical data on the number of residencies by specialties and the number of residencies by type of hospital control and by bed capacities of the hospitals in which the training is conducted. The number of residencies filled and vacant represent the situation as of Sept. 1, 1954. The total number of residency appointments available increased from 23,628 reported last year to 25,486 this year, an increase of 8%. The number of residents serving also rose, from 18,617 during the year 1953-1954 to 20,494 during 1954-1955, representing a 10% increase. It can be assumed on the basis of available data, that the largest proportion of this increase was due to the number of graduates of foreign medical schools serving as residents in approved hospitals. The percentage of residencies filled remained comparatively the same with 80% filled this year, compared with 79% a year ago.

NUMBER OF RESIDENCIES, BY SPECIALTIES

Table 8 presents a breakdown by specialties of the number of approved programs, the number of first year appointments filled and vacant as of Sept. 1, 1954 and the total number of appointments filled and vacant for the same date. There were 4,834 separate residency programs conducted last year in 1,181 hospitals, offering a total of 25,486 appointments including 10,989 at the first year level.

The number of hospitals approved for training ranged from 11 offering residencies in contagious diseases to 578 in internal medicine. The clinical specialties of internal medicine, obstetrics-gynecology, pediatrics, psychiatry, and surgery, along with pathology and radiology, accounted for slightly more than three-fourths of all residencies offered, with 19,359 positions available in these specialties out of a total of 25,486. There were less than 100 appointments in each of the following specialties: allergy, 34; cardiovascular diseases, 68; contagious diseases, 29; gastroenterology, 63; malignant diseases, 34; plastic surgery, 72; preventive medicine, 71; and proctology, 31.

The percentage range of first year residencies filled varied from 32% of those in preventive medicine to 94% of the programs offering a straight service in gynecology. Similarly, for appointments at all levels, the percentage filled in preventive medicine was the lowest, 37%, while those in straight gynecology had the highest occupancy rate, 98%.

Of those specialties constituting the majority of residencies offered, pathology residencies showed the lowest occupancy rate for all years, 64% (first through fourth year appointments) while surgery showed the highest, 91%. Specialties in which more than 25% of residencies were vacant included the following: allergy, general practice, malignant diseases, neurology, otolaryngology, pathology, physical medicine, preventive medicine, proctology, psychiatry, and pulmonary diseases. In considering the relatively high vacancy rate in some of these specialties, particularly pathology and psychiatry, the proportionately large number of positions available

should be taken into account; 1,130 residents serving last year in approved pathology programs and 1,800 in psychiatric residencies.

As was the case last year, the percentage of all internships filled and that of all residencies were approximately the same, 82% in the case of internships and 80% for residencies. This fact again points up the similarity of the problem of house staffing, whether at the internship or residency level. In considering possible solutions, the singling out of internship vacancies as a separate problem may well be considered unrealistic, representing as it does only a part of the over-all question of house staffing.

nature. The total number of residency appointments was about equally divided between governmental and nongovernmental hospitals with those in the former category offering 12,564 residencies while those in the latter had 12,922 appointments available.

Of the federal group, the Veterans Administration accounted for over three-fourths of the total, with 3,120 residency positions offered out of 4,089 for all federal hospitals. The occupancy rate for all federal hospitals, including the Veterans Administration was about 8% below that for the nation as a whole, 72% as contrasted to 80%. Comparable figures for last year showed 75% of residencies in federal hospitals filled and 79% for all hospitals. Considering appointments in all categories, the occupancy rate varied from 51% in U. S. Naval hospitals to 89% in city-controlled institutions. If first year appointments only are considered, the disparity in occupancy rates between federal and all other hospitals is even more marked. The U. S. Naval hospitals reported 38% of their first year appointments filled, the U. S.

TABLE 9.—*Number of Residencies, by Type of Hospital Control, 1954-1955*

Control	No. of Approved Hospitals	No. of Approved Programs	No. of Residencies: First Year Appointments: Filled Sept. 1, 1954	First Year Appointments: Vacant Sept. 1, 1954	First Year Appointments: Percentage Filled	Total Appointments (All Years): Filled Sept. 1, 1954	Total Appointments (All Years): Vacant Sept. 1, 1954	Total Appointments (All Years): Percentage Filled
Federal								
U. S. Army	12	82	105	59	64	324	144	69
U. S. Air Force	4	7	6	5	55	7	5	58
U. S. Navy	8	75	29	48	38	134	128	51
U. S. Public Health Service	8	32	35	0	100	112	14	81
Veterans Administration	82	465	712	460	61	2,252	872	72
Other Federal	3	20	36	6	82	80	17	82
Totals	117	681	923	578	61	2,909	1,180	71
Governmental (Nonfederal)								
State	170	499	1,270	350	78	3,202	704	82
County	61	256	609	100	86	1,198	201	86
City	78	411	1,094	133	89	2,384	303	89
City-county	17	113	174	30	85	389	86	82
Hospital district	4	4	3	2	60	6	2	75
Totals	314	1,267	3,150	615	84	7,179	1,296	85
Nongovernmental Nonprofit								
Church operated	68	244	311	130	71	664	304	68
Church related	221	751	1,098	331	77	2,462	743	77
Corporation nonprofit	442	1,832	3,112	682	82	7,173	1,442	83
Totals	721	2,827	4,521	1,143	80	10,299	2,489	81
Proprietary	29	43	50	9	85	107	27	80
Grand Totals	1,181	4,834	8,644	2,345	79	20,494	4,992	80

TABLE 10.—*Number of Residencies, by Bed Capacity, 1954-1955*

Classification	No. of Approved Hospitals	No. of Approved Programs	No. of Residencies: First Year Appointments: Filled Sept. 1, 1954	First Year Appointments: Vacant Sept. 1, 1954	First Year Appointments: Percentage Filled	Total Appointments (All Years): Filled Sept. 1, 1954	Total Appointments (All Years): Vacant Sept. 1, 1954	Total Appointments (All Years): Percentage Filled
Less than 100 beds	84	94	142	25	85	304	76	80
100-199	226	436	661	182	80	1,329	349	79
200-299	292	964	1,224	414	75	2,586	814	76
300-499	288	1,572	2,452	630	80	5,465	1,432	79
500-over	291	1,752	4,145	1,050	80	10,785	2,277	83
Other	16	16	20	44	31	25	44	36
Grand Totals	1,181	4,834	8,644	2,345	79	20,494	4,992	80

RESIDENCIES, BY TYPE OF HOSPITAL CONTROL

A breakdown of residency appointments by type of hospital control is presented in table 9. Residency programs were offered in 117 federal hospitals, 314 other governmental (nonfederal) hospitals, 721 nongovernmental institutions, and 29 hospitals of a proprietary

Air Force 55%, the Veterans Administration 61%, the U. S. Army 64%, and other federal institutions 82%. The rates for other governmental (nonfederal) hospitals were well above these figures, ranging up to 89%, as were those in the nongovernmental group in which the rates ranged from 71% for church operated to 82% for the not-for-profit group.

In spite of the fact that the occupancy rate in federal hospitals fell below that of other approved hospitals, the number of residents serving in these programs increased over last year; there were 2,909 residents on duty in these hospitals as of Sept. 1, 1954 compared with 2,711 a year before. The seeming disparity between an increase in the number of residents serving and a decrease in occupancy rate in federal hospitals is due of course to the fact that 428 more residencies were available in these hospitals this year. This represents an approximate 12% increase for this group, as compared to a 7% increase over last year for all other hospitals.

NUMBER OF RESIDENCIES, BY HOSPITAL BED CAPACITIES

Excluding hospitals of less than 100 beds, the number of hospitals offering residency training are, roughly speaking, about equally divided into four categories, 100 to 199 bed capacity, 200 to 299, 300 to 499, and over 500 beds (table 10). The number of residencies offered in these hospitals however, varied considerably, with those in the 100 to 199 bed category offering 1,678 positions, or approximately 7% of the total and those of 500 beds and over, having 13,062 positions available or 52% of the total. Hospitals of bed capacities 200 to 299 and 300 to 499 offered an additional 10,297 residencies, or 40%. Hospitals of less than 100 beds and programs in institutions of undesignated bed capacities accounted for the remaining 1%.

A word of explanation may be in order regarding those hospitals of less than 100 beds, since they would appear to be of too small size to support a residency program. For the most part, they are hospitals of special type providing services in one or two specialties only such as children's orthopedic surgery; eye, ear, nose, and throat; obstetrics; pediatrics; and similar specialized fields. In these hospitals, the admission rate approximates that for a service in a larger general hospital. They offered a relatively insignificant number of residencies.

While the average number of residencies per hospital in the several categories listed may not be too important, it is of some significance in considering the distribution of residents. The averages are as follows: 100 to 199 beds, 7.4 residents per hospital; 200 to 299 beds, 11.6 residents; 300 to 499, 24 residents; and 500 and over, 44.8 residents per hospital. Since the total number of beds for all hospitals in each category has not been computed, the average number per resident cannot be accurately given. Using the mean number of beds for each category however, it can be estimated that the number of beds per resident vary from 12.5 in the 300 to 499 group, to 21.5 in the 200 to 299 category. A further variable in considering these rough estimates is of course the specialty itself; the number of beds that would be adequate for an obstetric service, for example, would be insufficient to support a program in orthopedic surgery.

On the basis of these incomplete data, however, it does not appear that there is a marked disproportion between the number of residencies and the size of the hospital. This generalization does not of course eliminate the possibility that there may be an "overloading" of residents in some hospitals. It does tend to show, however, that there is, on the average, a reasonable number of beds per resident in the majority of hospitals approved for residency training.

Résumé

An analysis of 10 statistical tables relating to internship and residency positions has been presented in this report, along with a brief review of the National Intern Matching Program and of the activities of the committees established to evaluate graduate training programs at the internship and residency levels.

As of Sept. 1, 1954, there were 1,364 hospitals sponsoring such programs; 159 were approved for intern training only, 515 for residency training only, and 690 that offered approved training in both categories. The number of internships rose from 10,624 offered a year ago to 11,048 this year, an increase of 4%. Similarly, the number of residencies increased during the past year from 24,741 to 25,486 or 3%.

A total of 29,560 physicians were on duty in approved hospitals during the past year, 9,066 in the capacity of interns and 20,494 as residents. The occupancy rate for internships in 1954 was 82% as compared to 78% a year before. That for residencies was 80%, approximately the same as reported in last year's report when 79% of appointments were filled.

The report points out that internship vacancies and residency vacancies are part of the same general problem. It calls attention also to the fact that an increasing number of graduates of foreign medical schools are serving in house staff positions in hospitals throughout the country. This development has been well recognized although the extent to which these graduates have been appointed has been, perhaps, less generally appreciated. Reference is made in the report to a committee, the Cooperating Committee on Evaluation of Graduates of Foreign Medical Schools, which has been established to study the problems presented in evaluating these graduates as potential interns and residents in hospitals in this country. Information on interns' stipends and hospital autopsy rates is presented along with analysis of internship appointments. Similarly, the section on residencies presents data on those programs, which from the standpoint of number involved, represent 70% of all house staff appointments, internships accounting for the remaining 30%. The report is factual in nature and is presented for the information of the profession and others interested in the graduate phase of medical education.

APPROVED INTERNSHIPS

Council on Medical Education and Hospitals of the American Medical Association
535 North Dearborn Street, Chicago 10

Revised to September 1, 1955

HOSPITALS, 865, INTERNSHIPS, 11,645

The following general hospitals, investigated and approved by the Council on Medical Education and Hospitals, are considered in position to furnish acceptable intern training in accordance with standards adopted by the American Medical Association. Three types of internships are approved by the Council—rotating, mixed, and straight:

1. A rotating internship is defined as one which provides supervised experience in internal medicine, surgery, pediatrics, obstetrics, and their related subspecialties, together with experience in laboratory and radiologic diagnosis.

2. A mixed internship is defined as one that provides supervised experience in two or more, but not in all, of the clinical divisions named.

3. A straight internship is defined as one that provides supervised experience in a single department, although it may include limited opportunity for work in a related subspecialty. Straight internships are now approved in internal medicine, surgery, and pediatrics. Straight internships in obstetrics-gynecology and in pathology are presently approved through June 30, 1957.

Hospitals approved for internships that are used by medical schools for undergraduate clinical clerkships on inpatient services have been identified in the following lists by the symbols **X** and **x**. Hospitals have been identified with symbol **X** when a medical school has indicated that the hospital is a major unit in the school's teaching program. Hospitals have been identified with the symbol **x** when a medical school has indicated that the hospital is used to a limited extent in the school's teaching program. Certain internships in hospitals designated as teaching hospitals may not provide for assignments to teaching services. Other internships may provide for only a portion of the internship period being spent on teaching services. Prospective interns desiring specific information concerning internship assignments to teaching services in a hospital are advised to communicate with the dean of the medical school with which the hospital is affiliated. Medical school affiliations are indicated by footnotes 10 to 88 placed immediately after the symbol **X** or **x**. The list of medical schools appears on page 283. The plus (+) sign indicates additional approval for residencies in specialties, as shown in the Council's list of Approved Residencies and Fellowships. The beginning stipends for Federal hospitals have not been listed; they are established in accordance with government pay tables. When applying for internships in Air Force, Army, Navy or Public Health Service hospitals, applications should be directed to the medical departments of the Air Force, Army, Navy, or the United States Public Health Service and not to the individual hospitals. Although applications are made to the service rather than to the individual hospitals, all of the services ask students to list three hospitals in order of preference. Every possible effort is made to place successful candidates in accordance with their desires. Because of the needs of the service it should be understood that students may, in some instances, be assigned to other hospitals than those for which they have indicated a preference.

Hospitals listed below (pages 261 to 282) make first year internship appointments through the National Intern Matching Program, Inc. The number and type of internships as listed represent appointments for the intern year 1956-1957.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
UNITED STATES ARMY—Hospitals, 8; Internships, 150										
Letterman Army Hospital +1-4 Presidio, San Francisco	Fed	1,000	11,315	Req	89	12	No	...		
Fitzsimons Army Hospital +1-4 Denver 8	Fed	1,650	9,416	Req	90	12	No	...		
Walter Reed Army Hospital +1-4-x19-20 (Army Medical Center) 6825 16th St., N. W., Washington 12, D. C.	Fed	1,350	13,446	Req	84	12	No	...		
Valley Forge Army Hospital +4 Phoenixville, Pa.	Fed	1,250	6,806	Req	95	12	100	...	150 Rotating General Office of the Surgeon General, Department of the Army, Washington 25, D. C. Attn. Chief Personnel Division	00411
William Beaumont Army Hospital +4 Hayes Ave., El Paso, Texas	Fed	850	12,109	Req	79	12	No	...		
Brooke Army Hospital +1-3-4 Brooke Army Medical Center Fort Sam Houston, San Antonio, Texas	Fed	1,350	13,753	Req	91	12	No	...		
Madigan Army Hospital +4-x83 Tacoma, Wash.	Fed	750	11,593	Req	85	12	No	...		
Tripler Army Hospital + Moanalua Gardens, Honolulu, T. H.	Fed	1,200	16,308	Req	83	12	No	...		
UNITED STATES AIR FORCE—Hospitals, 11; Internships, 60										
The 60 Air Force internships are divided among the Army hospitals listed above.									60 Rotating General Directorate of Staffing and Education, Office of the Surgeon General, Headquarters, U. S. Air Force, Washington 25, D. C.	00311
UNITED STATES NAVY—Hospitals, 15; Internships, 200										
U. S. Naval Hospital Corona, Calif.	Fed	927	11,502	Req	90	12	No	...		
U. S. Naval Hospital +1-4-5 8750 Mountain Blvd., Oakland 14, Calif.	Fed	1,600	16,733	Req	83	12	No	...		
U. S. Naval Hospital 1-5 Camp Pendleton, Oceanside, Calif.	Fed	1,145	8,864	Req	85	12	No	...		
U. S. Naval Hospital +1-4 Park Blvd., San Diego 34, Calif.	Fed	2,600	26,567	Req	86	12	No	...		
U. S. Naval Hospital 1-3 Jacksonville, Fla.	Fed	400	8,019	Req	99	12	No	...	200 Rotating General Bureau of Medicine and Surgery, Navy Department, Washington 25, D. C.	00211
U. S. Naval Hospital 1-3 Pensacola, Fla.	Fed	325	7,399	Req	71	12	No	...		
U. S. Naval Hospital +1-3-4 Great Lakes, Ill.	Fed	925	11,074	Req	86	12	No	...		
U. S. Naval Hospital +1-3-x19 Rockville Pike, Bethesda 14, Md.	Fed	1,300	14,600	Req	81	12	No	...		
U. S. Naval Hospital +1-4-x37 Chelsea 50, Mass.	Fed	887	8,183	Req	77	12	No	...		

Hospitals designated with an asterisk (*) in this listing do not participate in the National Intern Matching Program, sponsored by the American Medical Association, the American Hospital Association, the Association of American Medical Colleges, and other cooperating organizations.

Abbreviations and other references will be found on pages 283 and 284.

FEDERAL—Continued

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
UNITED STATES NAVY—Continued										
U. S. Naval Hospital ✦[1-4] Linden Blvd., St. Albans 25, N. Y.	Fed	1,375	8,972	Req	68	12	No	...		
U. S. Naval Hospital ✦[1-3-4] 17th and Pattison Ave., Philadelphia 45	Fed	1,200	12,689	Req	67	12	No	...		
U. S. Naval Hospital 3rd and Cypress Sts., Newport, R. I.	Fed	500	6,884	Req	67	12	No	...	200 Rotating General	00211
U. S. Naval Hospital [1] Naval Base, Charleston, S. C.	Fed	400	5,380	Req	57	12	No	...	Bureau of Medicine and Surgery, Navy Department, Washington 25, D. C.	
U. S. Naval Hospital ✦[1-3-4] Portsmouth, Va.	Fed	1,550	23,270	Req	87	12	No	...		
U. S. Naval Hospital [1-3] Naval Base, Bremerton, Wash.	Fed	325	4,269	Req	90	12	No	...		
UNITED STATES PUBLIC HEALTH SERVICE—Hospitals, 7; Internships, 89										
U. S. Public Health Service Hospital ✦[1-4-5] 15th Ave. and Lake St., San Francisco 18	Fed	459	4,811	Req	68	12	101	...		
U. S. Public Health Service Hospital ✦[1-4-5] 210 State St., New Orleans 18	Fed	380	4,216	Req	82	12	102	...	78 Rotating General	00111
U. S. Public Health Service Hospital ✦[1-4] Wyman Park Dr. and 31st St., Baltimore 11	Fed	361	4,976	Req	78	12	103	...	11 Mix. Med. Surg.	00124
U. S. Public Health Service Hospital ✦[4] 77 Warren St., Boston 35	Fed	278	3,366	Req	77	12	No	...	Public Health Service Hospitals, Public Health Service, Department of Health, Education and Welfare, Washington 25, D. C. Attn. Chairman Committee on Residents and Interns	
U. S. Public Health Service Hospital ✦[1-4-5] Bay St. and Vanderbilt Ave., Staten Island 4, N. Y.	Fed	887	9,253	Req	72	12	104	...		
U. S. Public Health Service Hospital [1-5] Hampton Blvd., Norfolk 8, Va.	Fed	271	3,631	Req	62	12	105	...		
U. S. Public Health Service Hospital ✦[1-4]-x83 P. O. Box 3145, Seattle 14	Fed	352	4,345	Req	90	12	106	...		
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE—Hospitals, 2; Internships, 30										
Freedmen's Hospital ✦[1-3-4]-X21 6th and Bryant Sts., N.W., Washington 25, D. C.	Fed	485	8,491	Req	46	12	No	171FM	18 Rotating General	79811
Saint Elizabeths Hospital ✦[1-3-4]-x19-X20 2600 Nichols Ave., S.E., Washington 20, D. C.	Fed	411	2,468	Req	48	12	107	233	12 Rotating General	80411
VETERANS ADMINISTRATION—Hospitals, 8; Internships, 126										
Veterans Administration Hospital ✦[1-3] 5901 E. 7th St., Long Beach 4, Calif.	Fed	1,600	10,227	Req	76	12	109	...	24 Rotating General	02811
									6 Straight Medicine	02832
Veterans Administration Center ✦[1-3]-X13 Wilshire and Sawtelle Blvds., Los Angeles 25	Fed	1,358	12,526	None	83	12	110	...	24 Rotating General	03911
									6 Straight Medicine	03932
Veterans Administration Hospital ✦[1]-X22 5998 Peachtree Rd., N.E., Atlanta, Ga.	Fed	300	5,001	Req	74	12	111	...	7 Straight Medicine	11732
Veterans Administration Hospital ✦[1]-X63 921 N.E. 13th St., Oklahoma City	Fed	414	3,273	None	85	12	112	...	6 Straight Medicine	58932
Veterans Administration Hospital ✦[1-5]-X76 4500 S. Lancaster Rd., Dallas 2, Texas	Fed	347	3,243	None	75	12	113	...	16 Straight Medicine	88732
Veterans Administration Hospital ✦[1-3-4]-X78 2002 Holcombe Blvd., Houston 31, Texas	Fed	1,067	7,873	Req	91	12	114	...	20 Rotating General	71911
Veterans Administration Hospital ✦[1-3]-X76 McKinney, Texas	Fed	593	5,096	None	83	12	115	...	10 Straight Medicine	72032
Veterans Administration Hospital ✦-X79 12th Ave. and E St., Salt Lake City 3	Fed	194	2,373	Req	77	12	116	...	3 Rotating General	73311
									4 Straight Medicine	.....

NONFEDERAL

ALABAMA—Hospitals, 9; Internships, 108										
Birmingham Baptist Hospital ✦[1] 708 Tuscaloosa Ave., Birmingham 11	ChurchOpr	300	12,542	Req	39	12	117	250FM	12 Rotating General	90311
Carraway Methodist Hospital ✦[1-3] 2500 16 Ave. N., Birmingham 4	ChurchRel	233	9,602	Req	32	12	No	200FM	9 Rotating General	00611
St. Vincent's Hospital 2701 Ninth Ct. S., Birmingham 5	ChurchRel	200	7,642	Req	40	12	117	225FM	7 Rotating General	85111
South Highlands Infirmary [1-3] 1127 S. 12th St., Birmingham 5	Corp	159	5,856	Req	32	12	117	200FM	6 Rotating General	91911
University Hospital and Hillman Clinic ✦[1-3-4]-X10 619 S. 19th St., Birmingham 3	State	601	24,842	Req	43	12	118	100FM	36 Rotating General	00711
									3 Straight Pediatrics	00734
Lloyd Noland Hospital ✦[1-3] Fairfield	NPCorp	273	9,600	Req	48	12	No	150FM	12 Rotating General	00811
Holy Name of Jesus Hospital [1-3] Moragne Park, Gadsden	ChurchRel	136	6,386	Req	40	12	No	150PM	3 Rotating General	00911
City Hospital ✦ 850 St. Anthony St., Mobile 16	CyCo	263	7,225	Req	44	12	No	150PM	15 Rotating General	85211
Druid City Hospital [1] 809 Birmingham Rd., Tuscaloosa	CyCo	240	11,255	Req	21	12	No	200FM	5 Rotating General	92011
ARIZONA—Hospitals, 6; Internships, 59										
Good Samaritan Hospital ✦[1-3] 1033 E. McDowell Rd., Phoenix	ChurchRel	226	12,793	None	41	12	119	150FM	15 Rotating General	01111
Maricopa County General Hospital ✦[1-3] 3435 W. Durango Rd., Phoenix	County	293	7,843	Req	37	12	No	150-200PM	4 Rotating General	89811
Memorial Hospital [1-3] 1200 S. 5th Ave., Phoenix	NPCorp	189	6,354	Req	28	12	119	200FM	10 Rotating General	01311
St. Joseph's Hospital ✦[1-3] 350 W. Thomas Rd., Phoenix	ChurchRel	320	15,243	Req	55	12	119	150-200FM	15 Rotating General	01211
St. Mary's Hospital and Sanatorium ✦[1-3] St. Mary's Rd., Tucson	ChurchOpr	315	13,968	Req	38	12	120	100FM	9 Rotating General	01411
Tucson Medical Center ✦[1-3] E. Grant Rd. and Beverly Blvd., Tucson	NPCorp	201	7,509	Req	38	12	120	100FM	6 Rotating General	01511

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
ARKANSAS—Hospitals, 3; Internships, 56										
Arkansas Baptist Hospital ✦[1]..... 1700 W. 13th St., Little Rock	ChurchOpr	305	13,827	None	27	12	121	200FM	12 Rotating General	01611
St. Vincent Infirmary ✦[1-3]..... Markham and Hayes Sts., Little Rock	ChurchRel	210	9,320	Req	31	12	121	200FM	12 Rotating General	01711
University Hospital ✦[1-3]-X11 ..... 11th and McAlmont Sts., Little Rock	State	197	5,558	Req	63	12	122	135	16 Rotating General 2 Straight Medicine 4 Straight Pediatrics 6 Straight Ob.-Gyn. 4 Mixed (Ob.-Gyn.-Med.)	01811 01832 01834 01835 01869
CALIFORNIA—Hospitals, 44; Internships, 810										
General Hospital of Riverside County ✦[1-5]..... 9851 Magnolia Ave., Arlington	County	321	4,375	Req	47	12	123	170PM	8 Rotating General	85011
Herrick Memorial Hospital ✦[1-3-4]..... 2001 Dwight Way, Berkeley 4	NPCorp	201	9,031	Req	68	12	No	100FM	6 Rotating General	02011
San Joaquin General Hospital ✦[1]..... French Camp	County	720	7,767	Req	55	12	No	150PM	15 Rotating General	02111
Fresno General Hospital ✦[1-4]..... 4475 E. Ventura Ave., Fresno 2	County	632	10,082	Req	37	12	No	195	20 Rotating General	02211
Glendale Sanitarium and Hospital ✦[1]..... 1509 E. Wilson Ave., Glendale 6	ChurchOpr	225	9,997	Req	50	12	No	152PM	12 Rotating General	02311
Loma Linda Sanitarium and Hospital ✦[1-3]-X12 Loma Linda	ChurchOpr	166	6,003	Req	61	12	No	192PM	8 Rotating General	02411
St. Mary's Long Beach Hospital [1-3]..... 509 E. 10th St., Long Beach 13	ChurchRel	250	14,162	Req	33	12	No	125FM	6 Rotating General	02611
Seaside Memorial Hospital ✦[1]..... 1401 Chestnut Ave., Long Beach 13	NPCorp	370	18,226	Req	24	12	124	75FM	14 Rotating General	02711
California Hospital ✦[1-3] ..... 1414 S. Hope St., Los Angeles 15	ChurchRel	309	13,963	Req	40	12	125	125FM	13 Rotating General	02911
Cedars of Lebanon Hospital ✦[1-3]..... 4833 Fountain Ave., Los Angeles 29	NPCorp	466	14,567	Req	52	12	124	80FM	14 Rotating General	03011
Childrens Hospital ✦[1-3]-X14 ..... 4614 Sunset Blvd., Los Angeles 27	NPCorp	224	8,451	Req	91	12	126	40FM	2 Straight Pediatrics	03134
Hospital of the Good Samaritan ✦[1-3]..... 1212 Shatto St., Los Angeles 17	ChurchRel	480	14,194	Req	41	12	127	140FM	10 Rotating General	03211
Los Angeles County Hospital ✦[1-4]-X12-14..... 1200 N. State St., Los Angeles 33	County	3,206	82,138	Req	34	12	No	75FM	140 Rotating General	03311
Methodist Hospital of Southern California ✦[1-3] 2826 S. Hope St., Los Angeles 7	ChurchRel	206	8,447	Req	33	12	No	125FM	12 Rotating General	03411
Presbyterian Hospital-Olmsted Memorial ✦[1-3]... 1322 N. Vermont Ave., Los Angeles 27	ChurchRel	300	11,826	Req	33	12	127	75FM	10 Rotating General	03511
Queen of Angels Hospital ✦[1-3]..... 2301 Bellevue Ave., Los Angeles 26	ChurchOpr	480	18,584	Req	44	12	No	100FM	20 Rotating General	03611
St. Vincent's Hospital ✦[3]..... 2131 W. 3rd St., Los Angeles 57	ChurchRel	243	10,064	Req	35	12	127	125FM	6 Mixed (Med.-Surg.-Ob.-Gyn.)	03722
Santa Fe Coast Lines Hospital ✦..... 610 S. St. Louis St., Los Angeles 23	NPCorp	196	5,514	Req	61	12	127	125FM	9 Rotating General	03811
White Memorial Hospital ✦[1-3]-X12..... 312 N. Boyle Ave., Los Angeles 33	ChurchRel	207	8,737	Req	58	12	No	134PM	16 Rotating General	04011
Highland-Alameda County Hospital ✦[1-4-5]..... 2701 14th Ave., Oakland 6	County	429	12,605	Req	49	12	128	100FM	32 Rotating General	04111
Kaiser Foundation Hospital ✦[1-3]..... 280 W. MacArthur Blvd., Oakland 11	NPCorp	300	12,042	None	74	12	129	100	44 Rotating General	04211
Orange County General Hospital [1-3]..... 1201 Santa Ana Blvd., Orange	County	576	5,102	Req	48	12	No	192.50	20 Rotating General	04311
Collis P. and Howard Huntington Memorial Hospital ✦[1-3] ..... 100 Congress St., Pasadena 2	NPCorp	293	11,432	Req	57	12	130	187.50	9 Rotating General	04411
Sacramento County Hospital ✦[1-5]..... 2315 Stockton Blvd., Sacramento 17	County	750	12,344	Req	49	12	No	120FM	22 Rotating General	04611
San Bernardino County Charity Hospital ✦-x12 780 E. Gilbert St., San Bernardino	County	412	6,768	Req	63	12	No	130PM	14 Rotating General	04711
Mercy Hospital ✦[1-3] ..... Hillcrest Dr., San Diego 3	ChurchRel	335	17,659	Req	45	12	No	150FM	12 Rotating General	04811
San Diego County General Hospital ✦[1-4-5]..... N. Front St., San Diego 3	County	789	8,214	Req	57	12	131	125FM	15 Rotating General	04911
Children's Hospital ✦[1-3]-x16 ..... 3700 California St., San Francisco 18	NPCorp	226	7,125	Req	58	12	No	100FM	6 Rotating General	05011
Franklin Hospital ✦[1-3] ..... 14th and Noe Sts., San Francisco 14	NPCorp	250	8,117	None	47	12	No	65FM	16 Rotating General	05111
French Hospital ✦[1-3] ..... 4131 Geary Blvd., San Francisco 18	NPCorp	225	5,978	Req	45	12	No	75FM	10 Rotating General	05211
Mary's Help Hospital ✦[1-3]..... 145 Guerrero St., San Francisco 3	ChurchRel	182	7,530	Req	37	12	No	100FM	6 Rotating General	05311
Mount Zion Hospital ✦[1-3]..... 1600 Divisadero St., San Francisco 15	NPCorp	294	10,879	Req	59	12	No	100FM	14 Rotating General	05411
St. Joseph's Hospital ✦[1-3]..... Buena Vista Ave., San Francisco 17	ChurchOpr	200	7,439	Req	32	12	No	75FM	6 Rotating General	05511
St. Luke's Hospital ✦[1-3]..... 1580 Valencia St., San Francisco 10	ChurchRel	225	8,762	Req	38	12	No	100FM	10 Rotating General	05611
St. Mary's Hospital ✦[1-3]..... 2200 Hayes St., San Francisco 17	ChurchRel	327	11,822	Req	62	12	No	100-150FM	15 Rotating General	05711
San Francisco Hospital ✦[1-4-5]-X15-16..... 1001 Potrero Ave., San Francisco 10	CyCo	1,190	20,770	Req	40	12	132	120		
Stanford University Service..... Office of the Dean Stanford University School of Medicine 2398 Sacramento St., San Francisco 15									30 Rotating General	05911
University of California Service..... Dr. Leon Goldman San Francisco Hospital									30 Rotating General	05811
Southern Pacific General Hospital ✦[1-3]..... 1400 Fell St., San Francisco 17	NPCorp	450	7,426	Req	63	12	133	100FM	22 Rotating General	06011
Stanford University Hospitals ✦[1-3]-X15..... Clay and Webster Sts., San Francisco 15 Office of the Dean Stanford University School of Medicine 2398 Sacramento St., San Francisco 15	NPCorp	352	11,499	Req	57	12	No	25FM	7 Straight Medicine 8 Straight Surgery 1 Straight Pediatrics	06132 06133 06134

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
CALIFORNIA—Continued										
University of California Hospital †1-3-X16..... Parnassus and Third Aves., San Francisco 22 Dr. John B. Lagen, Acting Dean School of Medicine, University of California San Francisco 22	State	286	8,913	Req	76	12	134	92	12 Rotating General 9 Straight Medicine 8 Straight Surgery 5 Straight Pediatrics 2 Straight Pathology 4 Mixed (Med.-Ob.) 2 Mixed (Med.-Surg.)	06211 06232 06233 06234 06236 06230 06224
Santa Clara County Hospital †1..... Los Gatos Rd., San Jose 28	County	455	5,718	Req	69	12	No	135FM	16 Rotating General	06311
Santa Barbara Cottage Hospital †1-3..... 320 W. Pueblo St., Santa Barbara	NPCorp	220	7,015	Req	48	12	135	100FM	10 Rotating General	06411
St. John's Hospital †-x13..... 1328 22nd St., Santa Monica	ChurchRel	222	11,898	Req	64	12	136	125PM	6 Rotating General	06511
Santa Monica Hospital 1-3..... 1250 16th St., Santa Monica	ChurchRel	236	11,707	....	51	12	137	125FM	12 Rotating General	06611
Harbor General Hospital †1-3-4-X13..... 1124 W. Carson St., Torrance	County	800	10,280	Req	51	12	No	75FM	34 Rotating General	06711
COLORADO—Hospitals, 11; Internships, 127										
Glockner-Penrose Hospital †1-3 ..... 2200 N. Tejon St., Colorado Springs	ChurchRel	218	5,436	Req	69	12	No	150PM	2 Rotating General	06811
General Rose Memorial Hospital †1-3-x17..... 1050 Clermont St., Denver 20	NPCorp	250	11,903	Req	46	12	No	75FM	9 Rotating General	06911
Mercy Hospital †1-3 ..... 1619 Milwaukee St., Denver 6	ChurchRel	250	11,329	Req	55	12	No	90FM	9 Rotating General	92211
Porter Sanitarium and Hospital 1-3..... 2525 S. Downing St., Denver 10	ChurchOpr	210	7,910	Req	46	12	138	162PM	8 Rotating General	07111
Presbyterian Hospital †1-3-x17 ..... 19th Ave. and Gilpin St., Denver 18	ChurchRel	198	8,756	Req	62	12	139	75FM	10 Rotating General	07211
St. Anthony Hospital †1-3..... W. 16th and Quitman Sts., Denver 4	ChurchOpr	215	9,991	Req	50	12	No	150FM	9 Rotating General	07311
St. Joseph's Hospital †1..... 1818 Humboldt St., Denver 18	ChurchRel	355	13,315	Req	65	12	No	75FM	14 Rotating General	07411
St. Luke's Hospital †1-3..... 601 E. 19th Ave., Denver 3	ChurchRel	415	14,518	Req	53	12	139	75FM	14 Rotating General	07511
University of Colorado Medical Center Colorado General Hospital †1-X17..... 4200 E. 9th Ave., Denver 20	State	284	6,119	None	79	12	No	50FM	16 Rotating General	07611
Denver General Hospital †1-3-X17..... W. 6th Ave. and Cherokee St., Denver 4	CyCo	428	7,235	Req	56	12	140	50FM	16 Rotating General 16 Community Rotating	07711 07710
Weld County General Hospital 1-3..... 1801 16th St., Greeley	County	220	6,168	Req	49	12	No	100FM	4 Rotating General	85311
CONNECTICUT—Hospitals, 21; Internships, 189										
Bridgeport Hospital †1-3 ..... 267 Grant St., Bridgeport 8	NPCorp	389	13,042	None	36	12	No	190FM	8 Rotating General 2 Straight Medicine 2 Straight Surgery	07911 07932 07933
St. Vincent's Hospital †1-3..... 2820 Main St., Bridgeport 6	ChurchRel	368	15,106	Req	39	12	No	250PM	12 Rotating General	08011
Bristol Hospital 1-3 ..... Newell Rd., Bristol	NPCorp	160	6,038	Req	26	12	No	150FM	2 Rotating General	92311
Danbury Hospital †1-3 ..... 95 Locust Ave., Danbury	NPCorp	167	6,230	Req	54	12	No	200FM	6 Rotating General	08111
Greenwich Hospital †1-3 ..... Perryridge Rd., Greenwich	NPCorp	203	6,639	Req	69	12	No	100FM	8 Rotating General	08211
Hartford Hospital †1-3-4 ..... 80 Seymour St., Hartford 15	NPCorp	704	27,845	Req	61	24	No	50FM	18 Rotating General	08311
Hartford Municipal Hospital and Health Center †1-3 ..... 2 Holcomb St., Hartford 5	City	272	4,900	Req	55	12	No	120FM	7 Rotating General	08411
Mount Sinai Hospital 3..... 500 Blue Hills Ave., Hartford 12	NPCorp	115	5,408	Req	54	12	No	200FM	4 Rotating General	85411
St. Francis Hospital †1-3-4..... 114 Woodland St., Hartford 5	ChurchRel	578	20,360	Req	42	12	No	75FM	15 Rotating General	08511
Manchester Memorial Hospital 1-3..... 71 Haynes St., Manchester	NPCorp	160	7,272	Req	48	12	141	275PM	4 Rotating General	85511
Meriden Hospital †1-3 ..... 181 Cook Ave., Meriden	NPCorp	215	8,760	Req	37	12	No	150FM	2 Rotating General	08611
Middlesex Memorial Hospital †1-3..... 28 Crescent St., Middletown	NPCorp	174	6,524	Req	43	12	No	150FM	4 Rotating General	08711
New Britain General Hospital †1-3..... 92 Grand St., New Britain	NPCorp	288	9,890	Req	67	12	No	175FM	7 Rotating General	08811
Grace-New Haven Community Hosp.†1-3-4-X18.. 789 Howard Ave., New Haven 4	NPCorp	658	19,162	Req	65	12	142	25FM	14 Straight Medicine 13 Straight Surgery 7 Straight Pediatrics 6 Straight Pathology	08932 08933 08934 08936
Hospital of St. Raphael †3..... 1450 Chapel St., New Haven 11	ChurchOpr	370	12,921	Req	35	12	No	100-150FM	12 Rotating General	09011
Lawrence and Memorial Associated Hosps.†1-3 365 Montauk Ave., New London	NPCorp	224	9,340	Req	48	12	No	200FM	3 Rotating General	09211
Norwalk Hospital †1-3 ..... 24 Stevens St., Norwalk	NPCorp	310	10,117	Req	48	12	No	125FM	6 Rotating General	09311
William W. Backus Hospital 1-3..... 326 Washington St., Norwich	NPCorp	146	5,840	Req	32	12	No	150FM	3 Rotating General	09411
Stamford Hospital †1-3 ..... 190 W. Broad St., Stamford	NPCorp	297	8,746	Req	62	12	No	100FM	10 Rotating General	09511
St. Mary's Hospital †1-3-4..... 56 Franklin St., Waterbury 6	ChurchOpr	336	14,304	Req	48	12	No	200FM	7 Rotating General	09611
Waterbury Hospital †1-4 ..... 64 Robbins St., Waterbury 8	NPCorp	336	11,373	Req	60	12	No	200FM	7 Rotating General	09711
DELAWARE—Hospitals, 3; Internships, 32										
Delaware Hospital †1-3-4 ..... 501 W. 14th St., Wilmington 1	NPCorp	377	12,897	Req	71	12	No	150FM	14 Rotating General	09811
Memorial Hospital †1-3-X65 ..... 1501 Van Buren St., Wilmington 6	NPCorp	228	6,771	Req	52	12	No	150FM	12 Rotating General	09911
Wilmington General Hospital †1-3..... Chestnut at Broom St., Wilmington 5	NPCorp	187	6,906	Req	45	12	No	150FM	6 Rotating General	10011

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
DISTRICT OF COLUMBIA—Hospitals, 9; Internships, 147										
Central Dispensary and Emergency Hosp.+1-3-4 1711 New York Ave., N.W., Washington 6	NPCorp	300	8,039	Req	53	12	148	200FM	13 Rotating General	70611
Dist. of Columbia General Hosp.+1-3-4-X19-20-x21 19th and E Sts., S.E., Washington 3	City	1,251	20,569	Req	50	12	No	50FM	50 Rotating General	70911
Doctors Hospital +1-3 1815 Eye St., N.W., Washington 6	Corp	237	10,102	Req	62	12	149	150PM	6 Rotating General	79711
Garfield Memorial Hospital +1-3 10th St. & Florida Ave., N.W., Washington 1	NPCorp	306	10,025	Req	49	12	150	200FM	12 Rotating General	80011
Georgetown University Hospital +1-3-X19 3800 Reservoir Rd., N.W., Washington 7	ChurchOpr	365	12,401	Req	63	12	151	50FM	6 Straight Medicine	80132
George Washington University Hospital +1-3-X20 901 23rd St., N.W., Washington 7	NPCorp	410	14,691	Req	65	12	152	125PM	13 Rotating (Med. Major) 11 Rotating (Surg. Maj.) 1 Rotating (Path. Maj.)	80212 80213 80286
Providence Hospital +1-3-4 2nd and D Sts., S.E., Washington 3	ChurchRel	270	10,438	Req	55	12	No	175FM	18 Rotating General	80311
Sibley Memorial Hospital +1-3 1150 N. Capitol St., Washington 2	ChurchOpr	253	11,157	Req	43	12	No	100FM	9 Rotating General	80511
Washington Sanitarium and Hospital 1-3 7600 Carroll Ave., Washington 12	ChurchRel	240	7,000	Req	40	12	148	135PM	8 Rotating General	25411
FLORIDA—Hospitals, 11; Internships, 142										
Duval Medical Center +1-3 2000 Jefferson St., Jacksonville 8	County	335	8,141	Req	44	12	143	140FM	16 Rotating General	10111
St. Luke's Hospital +1 9th St. and Boulevard, Jacksonville 8	NPCorp	210	10,231	None	33	12	No	200FM	6 Rotating General	10211
*St. Vincent's Hospital +1-3 Barrs and St. John's Ave., Jacksonville 4	ChurchRel	365	13,707	Req	51	12	No	125FM	18 Rotating General	.....
Jackson Memorial Hospital +1-X87 1000 N.W. 17th St., Miami 36	County	844	23,657	Req	40	12	144	50FM	42 Rotating General	10411
Mount Sinai Hospital +1-3 4300 Alton Rd., Miami Beach 40	NPCorp	258	7,943	Req	35	12	No	150FM	12 Rotating General	10511
St. Francis Hospital +1-3 250 W. 63rd St., Miami Beach 41	ChurchRel	200	6,648	Req	39	12	No	100FM	5 Rotating General	10611
Orange Memorial Hospital +1-3 1416 S. Kuhl Ave., Orlando	NPCorp	300	12,298	Req	44	12	No	125FM	12 Rotating General	10711
Sacred Heart Hospital +1-3 1010 N. 12th Ave., Pensacola	ChurchRel	130	5,814	Req	29	12	No	200FM	3 Rotating General	10811
Mound Park Hospital +1 6th Ave. and 6th St., S., St. Petersburg 5	City	251	8,360	None	40	12	145	260PM	12 Rotating General	91111
Tampa Municipal Hospital +1-3 Davis Islands, Tampa 6	City	300	11,996	Req	50	12	No	100FM	12 Rotating General	10911
St. Mary's Hospital 1-3 900 49th St., West Palm Beach	ChurchOpr	200	5,866	Req	29	12	No	100FM	4 Rotating General	91411
GEORGIA—Hospitals, 11; Internships, 174										
Athens General Hospital 797 Cobb St., Athens	County	104	4,792	None	33	12	146	275PM	6 Rotating General	85611
St. Mary's Hospital 1 360 N. Milledge Ave., Athens	ChurchOpr	100	4,348	Req	50	12	No	150FM	3 Rotating General	11011
Crawford W. Long Memorial Hospital +1-3-x22 35 Linden Ave., N.E., Atlanta 3	ChurchRel	481	16,775	Req	43	12	147	100FM	18 Rotating General	11111
Georgia Baptist Hospital +1-3 300 Boulevard, N.E., Atlanta 5	ChurchOpr	475	18,571	Req	54	12	No	265	20 Rotating General	11211
Grady Memorial Hospital +1-3-4-X22 36 Butler St., S.E., Atlanta 3	County	670	17,507	Req	51	12	No	10PM	8 Rotating General 6 16 Straight Medicine 16 Straight Surgery 4 Straight Pediatrics	11311 11332 11333 11334
Piedmont Hospital +1-x22 551 Capitol Ave., S.E., Atlanta	NPCorp	132	6,532	None	50	12	147	150-190FM	8 Rotating General	11411
St. Joseph's Infirmary +1-3 272 Courtland St., N.E., Atlanta 3	ChurchRel	265	9,061	Req	50	12	No	150FM	12 Rotating General	11511
University Hospital +1-3-X23 University Pl., Augusta	City	425	14,780	Req	38	12	No	150PM	24 Rotating General	11611
Columbus City Hospital +1-3 19th St. and 7th Ave., Columbus	City	226	10,448	Req	36	12	No	200FM	10 Rotating General	11811
Emory University Hospital +1-X22 Emory University	NPCorp	304	11,123	Req	60	12	No	165	6 Straight Medicine 6 Straight Surgery 3 Straight Pathology	11932 11933 11936
Macon Hospital +1 840 Pine St., Macon	CyCo	284	13,886	Req	40	12	No	200FM	14 Rotating General	12011
ILLINOIS—Hospitals, 61; Internships, 822										
MacNeal Memorial Hospital +1-3 3249 S. Oak Park Ave., Berwyn	NPCorp	165	9,650	Req	64	12	No	100-150FM	13 Rotating General	12111
St. Francis Hospital 1-3 12948 S. Gregory St., Blue Island	ChurchRel	160	6,076	Req	34	12	No	175FM	6 Rotating General	93211
Alexian Brothers Hospital +3 1200 W. Belden Ave., Chicago 14	ChurchRel	243	6,027	None	46	12	153	75-100FM	8 Rotating General	12211
*American Hospital +1-3 850 W. Irving Park Rd., Chicago 13	NPCorp	152	5,277	Req	53	12	No	25FM	5 Rotating General	.....
Augustana Hospital +1-3 411 W. Dickens Ave., Chicago 14	ChurchRel	320	8,703	Req	51	12	No	100FM	10 Rotating General	12411
Chicago Wesley Memorial Hospital+1-3-X25 250 E. Superior St., Chicago 11	ChurchRel	571	16,307	None	69	12	154	25FM	32 Rotating General	16211
Columbus Hospital +3-x25 2520 N. Lakeview Ave., Chicago 14	ChurchRel	350	10,494	Req	37	12	155	75FM	20 Rotating General	12611
Cook County Hospital +1-4-X24-25-26-28 1825 W. Harrison St., Chicago 12	County	3,200	70,755	...	33	12	No	25FM	124 Rotating General	12711
Edgewater Hospital 1-3 5700 N. Ashland Ave., Chicago 26	NPCorp	156	7,273	Req	43	12	No	100FM	15 Rotating General	12811
Englewood Hospital +1-3 6001 S. Green St., Chicago 21	NPCorp	154	6,444	Req	47	12	No	150FM	6 Rotating General	12911
Evangelical Hospital 1-3 5421 S. Morgan St., Chicago 9	ChurchRel	195	7,911	None	53	12	No	150FM	9 Rotating General	13011
Garfield Park Community Hospital 1-3 3813 W. Washington Blvd., Chicago 24	NPCorp	150	5,766	None	29	12	No	175FM	7 Rotating General	13111
Grant Hospital +1-3-X28 551 Grant Pl., Chicago 14	NPCorp	235	9,021	Req	55	12	156	200FM	9 Rotating General	13211

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
ILLINOIS—Continued										
Henrotin Hospital [1-3] ..... 939 N. La Salle St., Chicago 10	NPCorp	100	3,344	Req	68	12	157	125FM	4 Rotating General	13311
Holy Cross Hospital [3] ..... 2700 W. 69th St., Chicago 29	ChurchRel	143	6,199	Req	55	12	158	150FM	6 Rotating General	13411
Hospital of St. Anthony de Padua [1-3] ..... 2875 W. 19th St., Chicago 23	ChurchRel	215	7,883	Req	25	12	No	200FM	8 Rotating General	13511
Illinois Central Hospital [1-3]-X28 ..... 5800 Stony Island Ave., Chicago 37	NPCorp	300	7,227	Req	61	12	159	160FM	14 Rotating General	13611
Illinois Masonic Hospital [1-3] ..... 836 Wellington Ave., Chicago 14	NPCorp	375	12,020	Req	49	12	No	100FM	12 Rotating General	13711
Jackson Park Hospital [1-3] ..... 7531 Stony Island Ave., Chicago 49	Corp	146	5,171	None	37	12	No	150FM	8 Rotating General	13811
Loretto Hospital [1-3]-X26 ..... 645 S. Central Ave., Chicago 44	ChurchRel	150	5,401	None	54	12	No	150FM	6 Rotating General	13911
Lutheran Deaconess Home and Hospital [3] .... 1138 N. Leavitt St., Chicago 22	ChurchRel	186	6,477	Req	39	12	No	150FM	5 Rotating General	14011
Mercy Hospital [1-3]-X26 ..... 2537 S. Prairie Ave., Chicago 16	ChurchRel	356	9,284	...	49	12	No	100FM	15 Rotating General	14111
Michael Reese Hospital [1-3]-X24-25 ..... 2839 S. Ellis Ave., Chicago 16	NPCorp	726	19,598	Req	63	12	160	50FM	37 Rotating General 2 Straight Medicine 2 Straight Surgery 2 Straight Pediatrics 1 Straight Pathology	14211 14232 14233 14234 14236
Mother Cabrini Memorial Hospital [3] ..... 1200 W. Cabrini St., Chicago 7	ChurchRel	150	5,553	Req	24	12	No	100FM	5 Rotating General	14311
Mount Sinai Hospital [1-3]-X24 ..... 2750 W. 15th Pl., Chicago 8	NPCorp	373	10,678	Req	51	12	No	50FM	14 Rotating General 2 Straight Surgery	14411 14433
Norwegian American Hospital [1-3] ..... 1044 N. Francisco Ave., Chicago 22	NPCorp	172	6,292	Req	31	12	No	200FM	8 Rotating General	14511
Passavant Memorial Hospital [1-3]-X25 ..... 303 E. Superior St., Chicago 11	NPCorp	263	8,244	None	66	12	156	25FM	12 Rotating General	14611
Presbyterian Hospital [1-3]-X28 ..... 1753 W. Congress St., Chicago 12	ChurchRel	418	12,042	Req	64	12	No	100FM	26 Rotating General	14711
Provident Hospital [1-3] ..... 426 E. 51st St., Chicago 15	NPCorp	203	7,077	Req	31	12	No	125FM	9 Rotating General 1 Straight Surgery	14811 14833
Ravenswood Hospital [1-3] ..... 1931 Wilson Ave., Chicago 40	NPCorp	207	7,709	Req	72	12	No	70FM	9 Rotating General 1 Rotating (Med. Major) 1 Rotating (Surg. Maj.) 1 Rotating (Ob.-Gyn. Maj.)	14911 14912 14913 14915
Resurrection Hospital [3] ..... 7435 W. Talcott Ave., Chicago 31	ChurchRel	181	6,216	Req	60	12	No	200FM	9 Rotating General	93711
Roseland Community Hospital [3] ..... 45 W. 111th St., Chicago 28	NPCorp	101	3,873	Req	56	12	No	175FM	4 Rotating General	92411
St. Anne's Hospital [1-3] ..... 4950 Thomas St., Chicago 51	ChurchOpr	304	12,490	None	27	12	No	150FM	12 Rotating General	15211
St. Bernard's Hospital [1-3] ..... 6337 S. Harvard Ave., Chicago 21	ChurchRel	185	4,814	None	35	12	No	150FM	8 Rotating General	15311
St. Elizabeth Hospital [3] ..... 1431 N. Claremont Ave., Chicago 22	ChurchRel	273	10,115	None	37	12	No	200FM	8 Rotating General	15411
St. Joseph Hospital [1-3]-X26 ..... 2100 N. Burling St., Chicago 14	ChurchRel	197	6,365	Req	51	12	No	100FM	8 Rotating General	15511
St. Luke's Hospital [1-3]-X25-X28 ..... 1439 S. Michigan Ave., Chicago 5	NPCorp	553	14,716	Req	68	12	No	25FM	32 Rotating General	15611
St. Mary of Nazareth Hospital [1] ..... 1120 N. Leavitt St., Chicago 22	ChurchRel	261	9,330	Req	37	12	No	200FM	10 Rotating General	15711
South Chicago Community Hospital [1-3] ..... 2320 E. 93rd St., Chicago 17	NPCorp	250	9,884	Req	27	12	No	150FM	8 Rotating General	15811
South Shore Hospital [1-3] ..... 8015 S. Luella Ave., Chicago 17	NPCorp	154	6,335	Req	35	12	161	200-250FM	7 Rotating General	92511
Swedish Covenant Hospital [1-3] ..... 5145 N. California Ave., Chicago 25	ChurchOpr	209	6,285	None	39	12	No	150FM	7 Rotating General 1 Rotating (Med. Major)	15911 15912
University of Chicago Clinics [1-3-5]-X27 ..... 950 E. 59th St., Chicago 37	NPCorp	664	16,107	Req	75	12	No	127PM	36 Rotating General 3 Straight Pediatrics	16011 16034
University of Illinois Research and Educational Hospitals [1-4]-X28 ..... 840 S. Wood St., Chicago 12	State	565	8,118	Req	88	12	162	25FM	30 Rotating General	15011
Walther Memorial Hospital [1-3] ..... 1116 N. Kedzie Ave., Chicago 51	ChurchRel	175	6,873	Req	28	12	No	100FM	6 Rotating General	16111
Women and Children's Hospital [2-3] ..... 1600 W. Maypole Ave., Chicago 12	NPCorp	115	3,509	Req	64	12	No	75FM	3 Rotating General	16311
Woodlawn Hospital [1-3] ..... 6060 Drexel Ave., Chicago 37	NPCorp	150	4,272	Req	61	12	No	100FM	8 Rotating General	16411
Decatur and Macon County Hospital [1] ..... 2300 N. Edward St., Decatur	NPCorp	248	8,793	Req	32	12	163	225FM	6 Rotating General	85711
St. Mary's Hospital [3] ..... 129 N. 8th St., East St. Louis	ChurchRel	290	11,126	Req	25	12	No	150FM	12 Rotating General	16511
Memorial Hospital of Du Page County [1-3] ..... 189 Avon Rd., Elmhurst	NPCorp	185	9,520	Req	43	12	No	300FM	4 Rotating General 1 Rotating (Med. Major) 1 Rotating (Surg. Maj.) 1 Rotating (Ob.-Gyn. Maj.) 1 Rotating (Ped. Maj.)	16611 16612 16613 16615 16614
Evanston Hospital [1]-X25 ..... 2650 Ridge Ave., Evanston	NPCorp	325	10,737	Req	78	12	156	25FM	18 Rotating General	16711
St. Francis Hospital [1-3] ..... 355 Ridge Ave., Evanston	ChurchRel	383	14,150	Req	59	12	No	150FM	16 Rotating General	16811
Little Company of Mary Hospital [1-3] ..... 95th St. and California Ave., Evergreen Park 42	ChurchRel	371	18,187	Req	25	12	No	150FM	15 Rotating General	16911
Moline Public Hospital [1-3] ..... 622 5th Ave., Moline	City	210	8,465	Req	30	12	No	100FM	4 Rotating General	17111
Oak Park Hospital [1-3] ..... 525 Wisconsin Ave., Oak Park	ChurchRel	244	7,783	Req	20	12	No	150FM	6 Rotating General	17211
West Suburban Hospital [2-3]-X28 ..... 518 N. Austin Blvd., Oak Park	NPCorp	329	12,668	Req	49	12	No	200FM	12 Rotating General	17311
Methodist Hospital of Central Illinois [1-3] .... 221 N. Glen Oak Ave., Peoria 5	ChurchRel	314	12,021	None	50	12	No	125FM	12 Rotating General	17411
St. Francis Hospital [1] ..... 530 N. Glen Oak Ave., Peoria 4	ChurchRel	600	17,240	Req	44	12	No	200FM	18 Rotating General	17511

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
ILLINOIS—Continued										
Rockford Memorial Hospital ✦[1-3] 2400 N. Rockton Ave., Rockford	NPCorp	127	5,768	Req	65	12	No	150FM	6 Rotating General	17711
St. Anthony Hospital ✦[1-3] 1401 E. State St., Rockford	ChurchOpr	240	8,892	Req	54	12	No	150FM	4 Rotating General	17811
Swedish-American Hospital ✦ 1316 Charles St., Rockford	NPCorp	200	7,799	Req	49	12	No	150FM	6 Rotating General	17911
Memorial Hospital [1-3] 1st and Miller Sts., Springfield	NPCorp	270	7,943	None	23	12	No	175FM	4 Rotating General	18011
INDIANA—Hospitals, 17; Internships, 195										
St. Catherine Hospital [1-3] 4321 Fir St., East Chicago	ChurchRel	311	10,899	Req	48	12	No	175FM	7 Rotating General	18111
Protestant Deaconess Hospital ✦[1] 600 Mary St., Evansville 10	ChurchRel	289	16,004	Req	29	12	No	150PM	4 Rotating General	18211
St. Mary's Hospital [3] 3700 Washington Ave., Evansville 15	ChurchRel	180	7,430	Req	42	12	No	250FM	4 Rotating General	94111
Lutheran Hospital 3024 Fairfield Ave., Fort Wayne 6	ChurchRel	193	7,664	Req	36	12	No	200-250FM	6 Rotating General	18311
Parkview Memorial Hospital [1-3] 2200 Randalia Dr., Fort Wayne 3	NPCorp	240	7,407	Req	28	12	No	200-250FM	8 Rotating General	94011
St. Joseph's Hospital ✦[1] 730 W. Berry St., Fort Wayne 9	ChurchRel	261	10,129	Req	33	12	No	200-250FM	6 Rotating General	90411
Methodist Hospital ✦[1] 1600 W. 6th Ave., Gary	ChurchRel	242	15,235	Req	38	12	No	150PM	10 Rotating General	86011
St. Mary's Mercy Hospital 540 Tyler St., Gary	ChurchRel	256	10,218	None	21	12	No	200FM	8 Rotating General	18411
St. Margaret Hospital ✦ 25 Douglas St., Hammond	ChurchRel	350	14,579	None	36	12	No	300FM	10 Rotating General	18511
Indianapolis General Hospital ✦[1-3-4]-X29 960 Locke St., Indianapolis 7	CyCo	689	11,425	Req	46	12	No	110FM	42 Rotating General	18611
Indiana University Medical Center ✦[1-4]-X29 1100 W. Michigan St., Indianapolis 7	State	496	11,582	None	67	12	164	115PM	26 Rotating General 4 Straight Surgery	18711 18733
Methodist Hospital ✦[1] 1604 N. Capitol Ave., Indianapolis 7	ChurchRel	624	25,058	Req	37	12	No	210PM	18 Rotating General	18811
St. Vincent's Hospital ✦[1-3] 120 W. Fall Creek Pkwy., Indianapolis 7	ChurchOpr	800	12,217	Req	46	12	No	210PM	11 Rotating General	18911
St. Elizabeth Hospital ✦[3] 1021 N. 14th St., LaFayette	ChurchOpr	280	9,453	Req	30	12	No	150-200FM	10 Rotating General	19011
Ball Memorial Hospital ✦[1] 2401 University Ave., Muncie	NPCorp	248	10,698	None	45	12	No	150FM	8 Rotating General	19211
Memorial Hospital ✦[1] 604 N. Main St., South Bend 1	NPCorp	214	9,864	Req	48	12	165	150FM	7 Rotating General	19311
*St. Joseph's Hospital [1-3] 401 N. Notre Dame Ave., South Bend 22	ChurchRel	171	7,523	None	82	12	166	125FM	6 Rotating General	.....
IOWA—Hospitals, 11; Internships, 90										
Mercy Hospital [1-3] 835 6th Ave., S.E., Cedar Rapids	ChurchOpr	206	7,634	Req	36	12	No	200FM	4 Rotating General	19611
St. Luke's Methodist Hospital ✦[1-3] 1026 A Ave., N.E., Cedar Rapids	ChurchOpr	295	11,382	Req	53	12	No	125FM	6 Rotating General	19711
Mercy Hospital [1]-x45 420 E. Washington Ave., Council Bluffs	ChurchRel	188	6,191	Req	30	12	No	150FM	4 Rotating General	19811
Mercy Hospital [1-3] 1326 W. Lombard St., Davenport	ChurchOpr	235	7,872	None	28	12	No	150PM	6 Rotating General	85911
Broadlawns Polk County Hospital ✦[1-3] 18th and Hickman Rd., Des Moines 14	County	244	4,756	Req	43	12	No	130FM	12 Rotating General	19911
Iowa Lutheran Hospital [1-3] 716 Parnell Ave., Des Moines 16	ChurchRel	200	7,535	Req	30	12	No	150FM	8 Rotating General	20011
Iowa Methodist Hospital ✦[1-3] 1200 Pleasant St., Des Moines 14	ChurchRel	394	15,050	Req	53	12	No	150FM	10 Rotating General	20111
Mercy Hospital ✦[1-3] 4th and Ascension Sts., Des Moines 14	ChurchRel	200	10,129	Req	66	12	167	175FM	8 Rotating General	20211
Mercy Hospital ✦[1] 214 N. Van Buren St., Iowa City	ChurchRel	190	6,012	....	24	12	No	150FM	4 Rotating General	86111
University Hospitals ✦[1-3-4]-X30 Newton Rd., Iowa City	State	896	18,906	Req	70	12	No	103FM	20 Rotating General	20311
St. Joseph Mercy Hospital [1-3] 2101 Court St., Sioux City 5	ChurchOpr	450	10,295	Req	35	12	No	175FM	8 Rotating General	20411
KANSAS—Hospitals, 7; Internships, 94										
Bethany Hospital [1-3] 12th St. and Reynolds Ave., Kansas City 7	ChurchRel	159	6,872	None	40	12	No	150FM	8 Rotating General	20511
Providence Hospital [1] 18th St. and Barnett Ave., Kansas City 2	ChurchRel	150	7,302	Req	40	12	168	225PM	6 Rotating General	20611
St. Margaret's Hospital ✦[3] 8th St. and Vermont Ave., Kansas City 8	ChurchRel	194	6,119	Req	48	12	No	200FM	6 Rotating General	20711
University of Kansas Medical Center ✦[1-3-4]-X31 39th St. and Rainbow Blvd., Kansas City 3	State	550	11,304	....	72	12	No	40PM	22 Rotating General 4 Mixed (Med.-Surg.-Ped.)	20811 20823
St. Francis Hospital ✦[1-3] 928 N. Emporia Ave., Wichita 5	ChurchRel	515	20,116	Req	45	12	169	225FM	20 Rotating General	20911
Wesley Hospital ✦[1-3] 550 N. Hillside Ave., Wichita 6	ChurchRel	385	19,025	Req	32	12	169	100FM	16 Rotating General	21011
Wichita-St. Joseph Hospital [1-3] 3400 Grand Ave., Wichita 17	ChurchRel	325	11,076	Req	36	12	169	150FM	12 Rotating General	21111
KENTUCKY—Hospitals, 8; Internships, 102										
St. Elizabeth Hospital [1-3] 21st St. and Eastern Ave., Covington	ChurchRel	364	13,033	Req	32	12	No	200FM	12 Rotating General	21211
Good Samaritan Hospital ✦[1] 310 S. Limestone St., Lexington	ChurchRel	375	12,493	Req	46	12	No	150FM	12 Rotating General	21411
St. Joseph Hospital ✦[1-3] 544 W. 2nd St., Lexington	ChurchOpr	312	10,846	...	46	12	No	200FM	8 Rotating General	21511
Kentucky Baptist Hospital [1] 810 Barret Ave., Louisville 4	ChurchRel	345	13,917	None	31	12	170	200PM	10 Rotating General	21611
Louisville General Hospital ✦[1-3-4]-X32 323 E. Chestnut St., Louisville 2	CyCo	360	10,272	Req	38	12	171	70FM	22 Rotating General 4 Straight Medicine 5 Straight Pediatrics	21711 21732 21734

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
KENTUCKY—Continued										
Norton Memorial Infirmary +1-3 231 W. Oak St., Louisville 3	NPCorp	280	10,985	Req	39	12	172	200PM	8 Rotating General	21811
St Anthony Hospital +1-3 1313 St. Anthony Pl., Louisville 4	ChurchRel	210	9,148	Req	31	12	173	200FM	5 Rotating General	21911
St. Joseph Infirmary +1-3 735 Eastern Pkwy., Louisville 17	ChurchRel	436	16,927	Req	35	12	No	175FM	16 Rotating General	22011
LOUISIANA—Hospitals, 9; Internships, 236										
Baton Rouge General Hospital +1 3600 Florida St., Baton Rouge 9	ChurchOpr	250	13,659	Req	25	12	174	100FM	5 Rotating General	22311
Charity Hospital of Louisiana +1-3-4-X33-34 1532 Tulane Ave., New Orleans 12	State	3,000	54,805	Req	62	12	No	75FM	130 Rotating General	22411
Hotel Dieu, Sisters' Hospital +1-3 2004 Tulane Ave., New Orleans 16	ChurchRel	295	13,589	Req	38	12	No	150FM	12 Rotating General	22511
Mercy Hospital 1-3 301 N. Jefferson Davis Pkwy., New Orleans 19	ChurchRel	191	8,955	Req	27	12	No	150FM	8 Rotating General	22611
Southern Baptist Hospital +1 2700 Napoleon Ave., New Orleans 15	ChurchRel	438	19,329	Req	45	12	No	165	20 Rotating General	22811
Touro Infirmary +1-3-x34 3516 Prytania St., New Orleans 15	NPCorp	456	18,931	Req	56	12	No	75FM	20 Rotating General	22911
Confederate Memorial Medical Center +1 1541 Kings Highway, Shreveport	State	900	19,157	Req	39	12	No	100FM	36 Rotating General	23211
North Louisiana Sanitarium 1 1130 Louisiana Ave., Shreveport	Corp	130	5,112	Req	58	12	175	225FM	3 Rotating General	23011
T. E. Schumpert Memorial Sanitarium 1 941 Margaret Pl., Shreveport	ChurchRel	107	6,468	None	34	12	No	250	2 Rotating (Surg. Major)	23113
MAINE—Hospitals, 4; Internships, 27										
Eastern Maine General Hospital +1 489 State St., Bangor	NPCorp	294	9,587	Req	44	12	No	75FM	8 Rotating General	23311
Central Maine General Hospital +1-3 300 Main St., Lewiston	NPCorp	221	8,445	Req	58	12	No	125FM	4 Rotating General	23411
St. Mary's General Hospital 1-3 318 Sabattus St., Lewiston	ChurchRel	150	4,269	Req	28	12	No	125FM	3 Rotating General	23511
Maine General Hospital +1-3 22 Arsenal St., Portland 4	NPCorp	341	8,928	Req	38	12	No	75FM	12 Rotating General	23611
MARYLAND—Hospitals, 19; Internships, 277										
Baltimore City Hospitals +1-3-4-X35-36 4940 Eastern Ave., Baltimore 24	City	1,255	8,268	Req	41	12	No	50FM	12 Rotating General 10 Straight Medicine 6 Straight Pediatrics 2 Straight Pathology	23711 23732 23734 23736
Bon Secours Hospital +3 2025 W. Fayette St., Baltimore 23	ChurchRel	170	6,496	Req	42	12	No	225FM	5 Rotating General	23811
Church Home and Hospital +1-3 Broadway and Fairmount Ave., Baltimore 31	ChurchRel	184	5,685	Req	32	12	176	175FM	8 Rotating General 1 Straight Medicine	23911 23932
Franklin Square Hospital +1-3 110 N. Calhoun St., Baltimore 23	NPCorp	161	4,858	Req	29	12	176	150-200FM	8 Rotating General	24011
Hospital for Women +1-3 Lafayette Ave. and John St., Baltimore 17	NPCorp	151	6,521	Req	44	12	No	200FM	3 Mixed (Med.-Ob.-Gyn.)	24109
Johns Hopkins Hospital +1-3-4-X35 601 N. Broadway, Baltimore 5	NPCorp	995	22,261	Req	69	12	No	20FM	14 Straight Medicine 10 Straight Medicine Private Wards 19 Straight Surgery 15 Straight Pediatrics 12 Straight Ob.-Gyn. 1 Straight Pathology	24232 24238 24233 24234 24235 24236
Lutheran Hospital +1-3-4 730 Ashburton St., Baltimore 16	ChurchRel	191	7,527	Req	43	12	No	200FM	7 Rotating General	24311
Maryland General Hospital +1-3 Linden Ave. and Madison St., Baltimore 1	ChurchRel	229	6,974	Req	34	12	177	200FM	8 Rotating General	24411
Mercy Hospital +1-3-4-X36 Calvert and Saratoga Sts., Baltimore 2	ChurchRel	301	10,584	Req	47	12	No	225PM	16 Rotating General	24511
Provident Hospital and Free Dispensary +1-3-4 1514 Division St., Baltimore 17	NPCorp	130	4,045	Req	28	12	No	100FM	8 Rotating General	24611
St. Agnes Hospital +1-3 1000 Caton Ave., Baltimore 29	ChurchOpr	217	7,843	Req	46	12	178	100FM	9 Rotating General	24711
St. Joseph's Hospital +3-4 1400 N. Caroline St., Baltimore 13	ChurchRel	250	7,702	Req	30	12	No	200FM	8 Rotating General	24811
Sinai Hospital +1-3-4 1714 E. Monument St., Baltimore 5	NPCorp	312	12,167	Req	47	12	No	100FM	16 Rotating General 2 Straight Medicine 2 Straight Surgery 1 Straight Pediatrics	24911 24932 24933 24934
South Baltimore General Hospital +1-3 1213 Light St., Baltimore 30	NPCorp	184	6,221	....	31	12	No	140FM	8 Rotating General	25011
Union Memorial Hospital +1-3 33rd and Calvert Sts., Baltimore 18	NPCorp	347	10,083	Req	40	12	No	100FM	16 Rotating General	25111
University Hospital +1-3-4-X36 Redwood and Greene Sts., Baltimore 1	State	480	13,126	Req	52	12	No	25FM	32 Rotating General 2 Straight Medicine 2 Straight Pediatrics	25211 25232 25234
Suburban Hospital +1-3 8600 Old Georgetown Rd., Bethesda 14	NPCorp	126	6,079	Req	48	12	179	100-200PM	2 Rotating General	.....
Prince George's General Hospital +1-3-x19 Cheverly	County	230	9,599	Req	28	12	No	150FM	8 Rotating General	90511
Washington County Hospital +1-3 King and Antietam Sts., Hagerstown	NPCorp	262	9,315	None	29	12	No	200FM	4 Rotating General	94511
MASSACHUSETTS—Hospitals, 34; Internships, 369										
Beverly Hospital +1-3 Heather and Herrick Sts., Beverly	NPCorp	186	5,855	Req	67	12	No	50FM	6 Rotating General	25511
Beth Israel Hospital +1-3-4-X38-39 330 Brookline Ave., Boston 15	NPCorp	312	10,941	Req	50	12	180	25FM	8 Straight Medicine 5 Straight Surgery	25632 25633
Boston City Hospital +1-3-4-X37-38-39 818 Harrison Ave., Boston 18	City	2,306	33,842	None	45	12	No	92FM		
Chrm. Com. Internship Exams	I and III	Medical Tufts							16 Straight Medicine	25793
	II and IV	Medical Harvard							16 Straight Medicine	25794
	V and VI	Medical Boston Univ.							16 Straight Medicine	25795
	I	Surgical Tufts							8 Straight Surgery	25796
	III	Surgical Boston Univ.							8 Straight Surgery	25798
	V	Surgical Harvard							8 Straight Surgery	25701
		Straight Specialties, Boston Univ.							4 Straight Pediatrics	25704
		Pathology							4 Straight Pathology	25736

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
MASSACHUSETTS—Continued										
Carney Hospital +1-3 2100 Dorchester Ave., Boston 24	ChurchRel	280	6,816	Req	44	12	181	100FM	12 Rotating General	25811
Children's Medical Center +1-3-X38 300 Longwood Ave., Boston 15	NPCorp	455	9,720	Req	82	12	182	FM	5 Straight Pediatrics	25934
									2 Straight Pathology	25935
Massachusetts General Hospital +1-4-X38 Fruit St., Boston 14	NPCorp	940	21,313	Req	61	12	183	25FM	12 Straight Medicine	26132
									8 Straight Surgery	26133
									7 Straight Pediatrics	26134
									1 Straight Pathology	26136
Massachusetts Memorial Hospitals +1-3-4-X37 750 Harrison Ave., Boston 18	NPCorp	360	7,200	Req	52	12	No	25FM	10 Straight Medicine	26232
									6 Straight Surgery	26233
									1 Straight Pathology	26236
New England Center Hospital +1-3-X39 Harrison Ave. and Bennet St., Boston 11	NPCorp	195	6,190	Req	71	12	184	41FM	10 Straight Medicine	26332
									8 Straight Surgery	26333
New England Hospital +1-3 Dimock and Columbus Sts., Boston 19	NPCorp	150	3,943	Req	44	12	185	35FM	3 Rotating General	20411
Peter Bent Brigham Hospital +1-3-4-X38 721 Huntington Ave., Boston 15	NPCorp	280	5,840	Req	71	12	186	25FM	12 Straight Medicine	26532
									6 Straight Surgery	26533
St. Elizabeth's Hospital +1-3-x39 736 Cambridge St., Boston (Brighton) 35	ChurchOpr	400	12,907	Req	31	12	No	95FM	10 Rotating General	20611
Brockton Hospital 1-3 680 Centre St., Brockton 11	NPCorp	183	6,760	Req	43	12	No	250FM	4 Rotating General	26711
Cambridge City Hospital +1-3-x39 1493 Cambridge St., Cambridge 39	City	270	6,120	Req	46	12	No	100FM	12 Rotating General	26811
Mount Auburn Hospital +1-x38 330 Mount Auburn St., Cambridge 38	NPCorp	233	7,014	Req	47	12	187	100FM	6 Rotating General	26911
Truesdale Hospital +1-3 1820 Highland Ave., Fall River	NPCorp	152	4,530	Req	58	12	188	100FM	8 Rotating General	27011
Union Hospital 1-3 538 Prospect St., Fall River	NPCorp	165	5,331	Req	30	12	No	100FM	4 Rotating General	86411
Holyoke Hospital +1-3-4 575 Beech St., Holyoke	NPCorp	181	5,120	Req	45	12	No	100PM	1 Rotating General	27311
									1 Rotating (Med. Major)	27312
									1 Rotating (Surg. Maj.)	27313
									1 Straight Pathology	27336
Lawrence General Hospital +1-3 1 Garden St., Lawrence	NPCorp	187	6,722	Req	56	12	No	100FM	4 Rotating General	27411
Lowell General Hospital +1-3 295 Varnum Ave., Lowell	NPCorp	210	6,330	Req	44	12	No	100-150FM	2 Rotating General	27511
St. John's Hospital 3 14 Bartlett St., Lowell	ChurchRel	187	5,887	Req	30	12	No	100FM	4 Rotating General	27611
St. Joseph's Hospital 3 830 Merrimack St., Lowell	ChurchRel	189	6,362	Req	33	12	No	125FM	2 Rotating General	27711
Lynn Hospital +1-3 212 Boston St., Lynn	NPCorp	248	9,756	Req	33	12	No	100FM	6 Rotating General	27811
St. Luke's Hospital +1-3 101 Page St., New Bedford	NPCorp	369	10,029	Req	25	12	No	100FM	6 Rotating General	27911
Newton-Wellesley Hospital +1-3 2014 Washington St., Newton Lower Falls 62	NPCorp	235	7,511	Req	43	12	No	120FM	6 Rotating General	28011
St. Luke's Hospital 1-3 379 East St., Pittsfield	ChurchRel	150	4,658	Req	34	12	No	150FM	2 Rotating General	28211
Quincy City Hospital +1-3 114 Whitwell St., Quincy 69	City	251	11,311	Req	43	12	No	137FM	12 Rotating General	28311
Salem Hospital +1-3 81 Highland Ave., Salem	NPCorp	246	7,983	Req	43	12	No	110-150FM	6 Rotating General	28411
Mercy Hospital 1-3 233 Carew St., Springfield 4	ChurchRel	340	12,026	Req	33	12	No	200FM	6 Rotating General	28511
Springfield Hospital +1-3 759 Chestnut St., Springfield 7	NPCorp	321	8,779	....	35	12	189	75FM	8 Rotating General	28611
Wesson Memorial Hospital 1-3 140 High St., Springfield 5	NPCorp	143	5,094	None	32	12	190	100FM	4 Rotating General	28711
Waltham Hospital 1-x39 Hope Ave., Waltham 54	NPCorp	147	5,606	Req	36	12	No	200-275FM	4 Rotating General	28811
Memorial Hospital +1-3-4 119 Belmont St., Worcester 5	NPCorp	305	9,490	Req	42	12	No	100FM	9 Rotating General	28911
St. Vincent Hospital +1-3 25 Winthrop St., Worcester 10	ChurchRel	455	9,238	Req	42	12	No	150FM	14 Rotating General	29011
Worcester City Hospital +3-4 71 Jaques Ave., Worcester 9	City	687	12,906	Req	49	12	No	115FM	24 Rotating General	29111
MICHIGAN—Hospitals, 35; Internships, 582										
St. Joseph Mercy Hospital +1-3 326 N. Ingalls St., Ann Arbor	ChurchRel	297	10,479	Req	40	12	No	150FM	14 Rotating General	29211
University Hospital +1-3-4X40 1313 E. Ann St., Ann Arbor	State	1,011	18,766	....	76	12	191	117	8 Rotating (Med. Major)	29312
									14 Rot. (Surg. Major)	29313
									3 Rot. (Ped. Major)	29314
									3 Rot. (Ob.-Gyn. Major)	29315
									2 Rot. (Neuro. Major)	29374
									2 Rot. (Derm. Major)	29375
									3 Rot. (Anes. Major)	29377
									2 Rot. (Path. Major)	29386
									1 Rot. (Otol. Major)	29378
									1 Rot. (Ophth. Major)	29379
									10 Rot. (Gen. Prac. Maj.)	29381
									2 Rot. (Phys. Med. & Rehab. Major)	29380
Lelia Y. Post Montgomery Hospital +1 9 Emmett St., Battle Creek	ChurchOpr	175	9,863	Req	35	12	No	200FM	4 Rotating General	29411
Oakwood Hospital 1-3 18101 Oakwood Blvd., Dearborn	NPCorp	224	10,248	Req	45	12	192	200	10 Rotating General	94611
Detroit Memorial Hospital +1 1420 St. Antoine St., Detroit 26	NPCorp	328	10,586	Req	45	12	193	230FM	14 Rotating General	29611
Evangelical Deaconess Hospital +1-3 3245 E. Jefferson Ave., Detroit 7	ChurchRel	185	8,857	Req	32	12	194	255PM	5 Rotating General	29711
Grace Hospital +1-3 4160 John R. St., Detroit 1	NPCorp	745	27,640	Req	45	12-24	No	250	24 Rot. General (12 mo.)	29811
									6 Rot. General (24 mo.)	29816
Harper Hospital +1-3 3825 Brush St., Detroit 1	NPCorp	641	24,689	Req	48	12	193	200	36 Rotating General	29911
Henry Ford Hospital +1-3 2799 W. Grand Blvd., Detroit 2	NPCorp	621	19,521	Req	60	12	No	200	40 Rotating General	30011
Mount Carmel Mercy Hospital +1-3-4 6071 W. Outer Drive, Detroit 35	ChurchRel	538	23,080	Req	43	12	No	125FM	20 Rotating General	30211

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
MICHIGAN—Continued										
Providence Hospital †[1-3] ..... 2500 W. Grand Blvd., Detroit 8	ChurchRel	872	15,167	Req	53	12	195	225	12 Rotating General	30311
Receiving Hospital †[1]-X41 ..... 1326 St. Antoine St., Detroit 26	City	697	20,209	Req	60	12	196	231	66 Rotating General	29511
St. John Hospital †[1-3] ..... 22101 Moross Rd., Detroit 36	ChurchRel	272	9,538	Req	44	12	No	250	12 Rotating General	91511
St. Joseph Mercy Hospital †[1] ..... 2200 E. Grand Blvd., Detroit 11	ChurchRel	251	9,574	Req	39	12	197	225FM	9 Rotating General	30411
Sinai Hospital †[1-3-4] ..... 6767 W. Outer Drive, Detroit 35	NPCorp	226	7,973	Req	50	12	193	225FM	15 Rotating General	92611
Woman's Hospital †[1-3] ..... 432 E. Hancock Ave., Detroit 1	NPCorp	246	11,233	Req	26	12	197	225	12 Rotating General	30511
Wayne County General Hospital and Infirmary †[1-3] ..... Eloise	County	3,462	8,301	Req	31	12	198	265FM	36 Rotating General	30611
Hurley Hospital †[1] ..... 6th Ave. and Begole St., Flint 2	City	428	17,980	None	40	12	No	250FM	26 Rotating General	30711
McLaren General Hospital †[1] ..... 401 Ballenger Highway, Flint 2	NPCorp	250	10,346	Req	51	12	199	250PM	12 Rotating General	86611
St. Joseph Hospital †[1-3] ..... 302 Kensington Ave., Flint 2	ChurchOpr	250	13,815	Req	51	12	No	275	12 Rotating General	30811
Blodgett Memorial Hospital †[1-3] ..... 1840 Wealthy St., S. E., Grand Rapids 6	NPCorp	318	10,174	Req	65	12	200	200FM	12 Rotating General	30911
Butterworth Hospital †[1-3] ..... 300 Bostwick Ave., N. E., Grand Rapids 3	NPCorp	423	15,595	Req	33	12	No	200FM	16 Rotating General	31011
St. Mary's Hospital †[1-3] ..... 250 Cherry St., S. E., Grand Rapids 3	ChurchRel	256	10,638	Req	45	12	No	200FM	14 Rotating General	31111
Bon Secours Hospital [1-3] ..... 468 Cadieux Rd., Grosse Pointe 30	ChurchRel	150	5,847	None	36	12	197	235FM	6 Rotating General	90611
Highland Park General Hospital †[1-3] ..... 369 Glendale Ave., Highland Park 3	City	290	11,356	Req	31	12	197	250FM	12 Rotating General	31211
Borgess Hospital †[1-3] ..... 1521 Gull Rd., Kalamazoo 62	ChurchOpr	260	8,718	Req	46	12	No	200FM	4 Rotating General	31311
Bronson Methodist Hospital †[1] ..... 252 E. Lovell St., Kalamazoo 8	ChurchRel	250	8,351	Req	55	12	No	240PM	6 Rotating General	31411
Edward W. Sparrow Hospital †[1-3] ..... 1215 E. Michigan Ave., Lansing 12	NPCorp	291	13,337	None	55	12	201	275	17 Rotating General	31511
St. Lawrence Hospital †[1-3] ..... 1210 W. Saginaw St., Lansing 15	ChurchRel	275	12,050	None	56	12	No	250FM	16 Rotating General	31611
Pontiac General Hospital †[1-3] ..... 461 W. Huron St., Pontiac 18	City	198	12,178	Req	41	12	202	275PM	9 Rotating General	31811
St. Joseph Mercy Hospital †[1-3] ..... 900 Woodward Ave., Pontiac 19	ChurchRel	310	14,397	Req	36	12	No	250FM	12 Rotating General	31911
Saginaw General Hospital †[1] ..... 1447 N. Harrison St., Saginaw	NPCorp	215	9,264	Req	67	12	203	275PM	6 Rotating General	32011
St. Luke's Hospital †[1-3] ..... 705 Cooper St., Saginaw	ChurchRel	143	6,608	Req	50	12	No	250PM	6 Rotating General	32111
St. Mary's Hospital †[1-3] ..... 830 S. Jefferson St., Saginaw	ChurchRel	173	8,167	Req	45	12	No	350PM	6 Rotating General	32211
James Decker Munson Hospital †[1-3] ..... 6th St., Traverse City	NPCorp	176	6,411	None	70	12	No	225PM	4 Rotating General	32311
MINNESOTA—Hospitals, 13; Internships, 211										
St. Luke's Hospital †[1-3] ..... 915 E. 1st St., Duluth 5	NPCorp	355	13,252	Req	94	12	204	75FM	18 Rotating General	32411
St. Mary's Hospital †[1-3] ..... 429 E. 3rd St., Duluth 11	ChurchRel	285	10,578	Req	66	12	204	75FM	12 Rotating General	32511
Minneapolis General Hospital †[1-3-4]-X42 ..... 619 S. 5th St., Minneapolis 15	City	497	7,256	Req	78	12	No	50FM	39 Rotating General	32911
Mount Sinai Hospital †[1-3] ..... 737 E. 22nd St., Minneapolis 4	NPCorp	212	8,783	Req	59	12	No	100FM	10 Rotating General	86811
Northwestern Hospital †[1-3] ..... 810 E. 27th St., Minneapolis 7	NPCorp	258	11,812	None	63	12	No	175FM	8 Rotating General 1 Straight Medicine 1 Straight Surgery 1 Straight Pediatrics	33011 33032 33033 33034
St. Barnabas Hospital †[1-3] ..... 920 S. 7th St., Minneapolis 4	ChurchRel	200	9,844	Req	61	12	205	135FM	10 Rotating General	33111
St. Mary's Hospital †[1-3] ..... 2500 S. 6th St., Minneapolis 6	ChurchRel	325	14,558	Req	55	12	206	125FM	12 Rotating General	33211
Swedish Hospital †[1-3] ..... 914 S. 8th St., Minneapolis 4	NPCorp	420	17,778	None	40	12	No	150FM	8 Rotating General	33311
University of Minnesota Hospitals †[1-3-4]-X42 ..... 412 Union St., S.E., Minneapolis 14	State	578	11,240	Req	83	12	207	50FM	12 Rotating General 6 Straight Medicine 9 Straight Surgery 9 Straight Pediatrics	33411 33432 33433 33434
Ancker Hospital †[1-3]-X42 ..... 495 Jefferson Ave., St. Paul 1	CyCo	850	8,150	Req	57	12	No	75FM	26 Rotating General	33511
Charles T. Miller Hospital †[1-3] ..... 125 W. College Ave., St. Paul 2	NPCorp	326	11,175	Req	58	12	208	75FM	13 Rotating General	33711
St. Joseph's Hospital †[1-3] ..... 69 W. Exchange St., St. Paul 2	ChurchRel	282	11,842	Req	62	12	No	75FM	12 Rotating General	33811
St. Luke's Hospital [1-3] ..... 287 N. Smith Ave., St. Paul 2	ChurchRel	140	6,399	Req	46	12	209	150FM	4 Rotating General	33911
MISSISSIPPI—Hospitals, 2; Internships, 16										
Mississippi Baptist Hospital †[1-3] ..... 1190 N. State St., Jackson	ChurchOpr	308	13,387	Req	83	12	No	100FM	12 Rotating General	34011
Mercy Hospital-Street Memorial †[1-3] ..... 900 Crawford St., Vicksburg	ChurchRel	142	4,178	Req	24	12	210	100FM	4 Rotating General	34111
MISSOURI—Hospitals, 25; Internships, 420										
St. Louis County Hospital †[1-3] ..... 601 S. Brentwood Blvd., Clayton 5	County	200	3,453	Req	52	12	No	150FM	12 Rotating General	34211
Kansas City General Hospital No. 1 †[1-3]-X31 ..... 24th and Cherry Sts., Kansas City 8	City	486	7,173	Req	58	12	No	75FM	30 Rotating General	34311
Kansas City General Hospital No. 2 †[1-3-4] ..... 600 E. 22nd St., Kansas City 8	City	243	5,168	Req	44	12	No	75FM	8 Rotating General	34411
Menorah Medical Center †[1-3]-X31 ..... 4949 Rockhill Rd., Kansas City 10	NPCorp	338	10,859	Req	58	12	No	150FM	16 Rotating General	34511

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
MISSOURI—Continued										
Research Hospital +1-3 2300 Holmes St., Kansas City 8	NPCorp	255	7,500	Req	65	12	211	150FM	8 Rotating General	34611
St. Joseph Hospital +1-3 Linwood Blvd. at Prospect Ave., Kansas City 28	ChurchOpr	321	13,073	Req	56	12	No	200-275FM	12 Rotating General 2 Straight Surgery	34711 34733
St. Luke's Hospital +1-3 4400 J. C. Nichols Pkwy., Kansas City 11	NPCorp	427	13,580	Req	61	12	211	150FM	18 Rotating General	34811
St. Mary's Hospital +1-3 101 Memorial Drive, Kansas City 8	ChurchOpr	287	10,576	None	63	12	211	150FM	12 Rotating General	34911
Trinity Lutheran Hospital 1-3 3001 Wyandotte St., Kansas City 8	ChurchRel	158	6,208	Req	46	12	211	200FM	8 Rotating General	35011
Missouri Methodist Hospital +1-3 8th and Faraon Sts., St. Joseph 54	ChurchRel	300	7,958	Req	30	12	No	175PM	8 Rotating General	35111
St. Joseph's Hospital 1-3 923 Powell St., St. Joseph 19	ChurchOpr	156	6,211	Req	32	12	No	200FM	3 Rotating General	35211
Barnes Hospital +1-3-X44 600 S. Kingshighway Blvd., St. Louis 10	NPCorp	825	23,948	Req	76	12	212	10FM	10 Str. Med. (Ward) 14 Str. Med. (Private) 14 Straight Surgery 10 Straight Ob.-Gyn. 5 Straight Pathology	35332 35331 35333 35335 35336
Christian Hospital 1-3 4411 N. Newstead Ave., St. Louis 15	NPCorp	140	5,047	Req	41	12	No	175FM	3 Rotating General	35411
De Paul Hospital +1-3 2415 N. Kingshighway Blvd., St. Louis 13	ChurchRel	350	11,626	Req	36	12	No	150FM	9 Rotating General	35511
Evangelical Deaconess Hospital 1-3 6150 Oakland Ave., St. Louis 10	ChurchRel	254	8,558	Req	42	12	No	150FM	8 Rotating General	35611
Homer G. Phillips Hospital +1-3-4-X44-74 2601 N. Whittier St., St. Louis 13	City	689	15,648	Req	21	12	213	111FM	40 Rotating General	35711
Jewish Hospital +1-3-4 216 S. Kingshighway Blvd., St. Louis 10	NPCorp	298	9,899	Req	48	12	214	75-125FM	15 Rotating General	35811
Lutheran Hospital 1-3 2646 Potomac St., St. Louis 18	ChurchOpr	165	6,070	None	36	12	No	150FM	6 Mixed (Med.-Surg.-Ob.-Gyn.)	35922
Missouri Baptist Hospital +1-3 919 N. Taylor Ave., St. Louis 8	ChurchRel	450	12,498	None	39	12	No	125FM	12 Rotating General 2 Rot. (Med. Major) 2 Rot. (Surg. Major)	36011 36012 36013
St. Anthony's Hospital +1-3-x43 3520 Chippewa St., St. Louis 18	ChurchRel	250	9,201	None	28	12	215	100FM	6 Rotating General	36111
St. John's Hospital +1-3-x43 307 S. Euclid Ave., St. Louis 10	ChurchRel	362	14,020	Req	49	12	No	150FM	14 Rotating General	36211
St. Louis Children's Hospital +1-X44 500 S. Kingshighway Blvd., St. Louis 10	NPCorp	136	3,761	Req	75	12	216	10FM	8 Straight Pediatrics	86934
St. Louis City Hospital +1-3-X43-44 1515 Lafayette Ave., St. Louis 4	City	1,062	14,023	Req	54	12	No	155	60 Rotating General	36311
St. Luke's Hospital +1 5535 Delmar Blvd., St. Louis 12	ChurchRel	184	6,356	Req	69	12	217	100FM	11 Rotating General	36411
St. Mary's Group of Hospitals +1-3-X43 1402 S. Grand Blvd., St. Louis 4	Church Rel	729	19,911	Req	56	12	217	85FM	20 Rotating General 4 Straight Medicine 8 Straight Surgery 2 Straight Pediatrics	36511 36532 36533 36534
MONTANA—Hospitals, 3; Internships, 12										
Butte Community Memorial Hospital +1-3 400 S. Clark St., Butte	NPCorp	144	4,677	Req	35	12	No	100-150FM	4 Rotating General	94711
St. James Hospital 1-3 Silver and Idaho Sts., Butte	ChurchRel	160	5,562	Req	33	12	No	150FM	4 Rotating General	36611
Montana Deaconess Hospital +1-3 1109 6th Ave., N., Great Falls	ChurchRel	196	5,390	Req	82	12	No	100PM	4 Rotating General	36711
NEBRASKA—Hospitals, 9; Internships, 67										
Bryan Memorial Hospital 1-3-4-x46 4848 Sumner St., Lincoln 6	ChurchOpr	126	3,778	None	57	12	No	100FM	4 Rotating General	86811
Lincoln General Hospital +1-3-x46 2315 S. 17th St., Lincoln 2	NPCorp	173	5,838	Req	80	12	No	160FM	4 Rotating General	36911
St. Elizabeth Hospital +1-3-x45 1145 South St., Lincoln 2	ChurchRel	243	9,090	None	44	12	No	200PM	6 Rotating General	37011
Bishop Clarkson Memorial Hospital +1-3-x46 26th at Dewey Ave., Omaha 5	ChurchRel	167	7,908	Req	45	12	218	100FM	10 Rotating General	37111
Creighton Memorial St. Joseph's Hosp. +1-X45 2305 S. 10th, Omaha 8	ChurchOpr	475	14,837	Req	48	12	219	150FM	12 Rotating General	37211
Immanuel Hospital +1-x46 34th St. and Fowler Ave., Omaha 11	ChurchOpr	121	5,005	Req	54	12	220	150FM	5 Rotating General	37311
Nebraska Methodist Hospital +1-3-x46 3612 Cuming St., Omaha 3	ChurchRel	257	8,844	None	63	12	221	100FM	8 Rotating General	37411
St. Catherine's Hospital +1-3-X45 Forest Ave. and 9th St., Omaha 8	ChurchRel	190	7,736	None	29	12	222	150FM	6 Rotating General	37511
University of Nebraska Hospital +1-3-X46 42nd St. and Dewey Ave., Omaha 5	State	163	3,357	Req	88	12	223	150PM	12 Rotating General	37611
NEW HAMPSHIRE—Hospitals, 1; Internships, 14										
Mary Hitchcock Memorial Hospital +1-3-X47 2 Maynard St., Hanover	NPCorp	274	6,948	Req	84	12	No	80PM	14 Rotating General	37711
NEW JERSEY—Hospitals, 41; Internships, 385										
Atlantic City Hospital +1-3 26 S. Ohio Ave., Atlantic City	NPCorp	239	8,361	Req	44	12	224	150FM	12 Rotating General	37811
Bayonne Hospital and Dispensary +1-3 E. 30th St., Bayonne	NPCorp	200	6,630	Req	29	12	No	125FM	8 Rotating General	37911
Cooper Hospital +1-3-x66-68 6th and Stevens Sts., Camden 3	NPCorp	398	13,920	Req	56	12	No	200FM	12 Rotating General	38011
Our Lady of Lourdes Hospital 1600 Haddon Ave., Camden 3	ChurchRel	267	7,656	Req	46	12	No	200FM	10 Rotating General	93311
West Jersey Hospital +1-3 Mount Ephraim and Atlantic Aves., Camden 4	NPCorp	268	9,185	Req	41	12	No	175FM	9 Rotating General	38111
East Orange General Hospital 1-3 S. Munn and Central Aves., East Orange	NPCorp	157	4,840	Req	24	12	225	100FM	4 Rotating General	38211
*Alexian Brothers Hospital 3 655 E. Jersey St., Elizabeth 1	ChurchRel	162	3,858	Req	15	12	226	100FM	8 Rotating General	.....
Elizabeth General Hospital and Dispensary 1-3 925 E. Jersey St., Elizabeth 4	NPCorp	243	9,744	Req	29	12	No	100FM	10 Rotating General	38411

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
NEW JERSEY—Continued										
St. Elizabeth Hospital [1-3] 204 S. Broad St., Elizabeth 2	ChurchRel	222	5,800	Req	27	12	No	100FM	9 Rotating General	38511
Englewood Hospital [+1-3] 350 Engle St., Englewood	NPCorp	199	7,606	Req	27	12	No	100FM	6 Rotating General	38611
Hackensack Hospital [+1-3] 22 Hospital Pl., Hackensack	NPCorp	341	12,802	Req	38	12	No	100PM	10 Rotating General	38711
St. Mary's Hospital [1-3] 4th St. and Willow Ave., Hoboken	ChurchOpr	329	7,600	Req	27	12	No	100FM	13 Rotating General	38811
Christ Hospital [+1-3] 176 Palisade Ave., Jersey City 6	ChurchRel	320	8,259	Req	27	12	No	100FM	12 Rotating General	38911
Jersey City Hospital [+1-3-4] 50 Baldwin Ave., Jersey City 4	City	1,600	20,627	Req	37	12	227	67FM	24 Rotating General 2 Straight Medicine 2 Straight Surgery 1 Straight Pediatrics 1 Straight Pathology	39011 39032 39033 39034 39036
St. Francis Hospital [1-3] 25 E. Hamilton Place, Jersey City 2	ChurchOpr	215	5,015	Req	26	12	227	100FM	5 Rotating General	39111
Monmouth Memorial Hospital [+1-3-4] 3rd and Pavilion Aves., Long Branch	NPCorp	270	8,415	Req	40	12	No	100-150FM	8 Rotating General	39211
Mountainside Hospital [+1-3-4] Bay St. and Highland Ave., Montclair	NPCorp	313	9,779	Req	50	12	No	100FM	12 Rotating General	39311
All Souls Hospital [3] 95 Mount Kemble Ave., Morristown	ChurchRel	130	4,049	Req	37	12	No	125FM	3 Rotating General	90711
Morristown Memorial Hospital [+1-3] 100 Madison Ave., Morristown	NPCorp	236	6,922	Req	55	12	228	110FM	7 Rotating General	39411
Fitkin Memorial Hospital [+1-3] Corlies Ave., Neptune	NPCorp	260	10,935	Req	36	12	No	150FM	8 Rotating General	39511
Harrison S. Martland Medical Center [+1-3-4] 116 Fairmount Ave., Newark 7	City	700	12,631	Req	26	12	No	114FM	18 Rotating General	39811
Hospital of St. Barnabas and for Women and Children [+1-3] 685 High St., Newark 2	ChurchRel	240	8,465	Req	43	12	No	75FM	8 Rotating General	39611
Newark Beth Israel Hospital [+1-4] 201 Lyons Ave., Newark 8	NPCorp	375	13,646	Req	47	12	No	75FM	12 Rotating General	39711
Presbyterian Hospital [+1-3] 27 S. 9th St., Newark 7	NPCorp	252	10,883	Req	36	12	No	100FM	4 Rotating General	87211
St. Michael's Hospital [+1-3] 306 High St., Newark 2	ChurchOpr	422	13,718	Req	38	12	No	100FM	12 Rotating General	39911
St. Peter's General Hospital [+1-3] 260 Easton Ave., New Brunswick	ChurchOpr	188	8,423	Req	43	12	No	135FM	5 Rotating General	40011
Orange Memorial Hospital [+1-3] 188 S. Essex Ave., Orange	NPCorp	338	9,359	Req	38	12	No	125FM	8 Rotating General	40111
Bergen Pines County Hospital [+1-3] E. Ridgewood Ave., Paramus	County	684	2,781	Req	36	12	227	100FM	20 Rotating General	90811
Passaic General Hospital [+1-3] 350 Boulevard, Passaic	NPCorp	235	8,898	Req	41	12	No	100FM	5 Rotating General	40211
St. Mary's Hospital [+1-3] 211 Pennington Ave., Passaic	ChurchOpr	192	6,663	Req	44	12	No	75FM	4 Rotating General	40311
Barnert Memorial Hospital [1-3] 680 Broadway, Paterson 4	NPCorp	141	5,757	Req	38	12	No	100FM	6 Rotating General	40411
Paterson General Hospital [+1-3] 528 Market St., Paterson 3	NPCorp	372	10,542	Req	31	12	No	100FM	10 Rotating General	40511
St. Joseph Hospital [+1-3] 703 Main St., Paterson 3	ChurchRel	442	11,228	Req	33	12	No	100FM	10 Rotating General	40611
Perth Amboy General Hospital [3] 530 New Brunswick Ave., Perth Amboy	NPCorp	270	11,942	Req	32	12	No	100FM	10 Rotating General	87311
Muhlenberg Hospital [+1-3-4] Park Ave. and Randolph Rd., Plainfield	NPCorp	334	13,807	Req	34	12	No	100FM	10 Rotating General	40711
Somerset Hospital [1-3] Rehill Ave., Somerville	NPCorp	171	9,110	Req	32	12	No	150FM	5 Rotating General	93411
Overlook Hospital [+1-3] 193 Morris Ave., Summit	NPCorp	251	7,417	Req	90	12	No	100FM	12 Rotating General	40811
Holy Name Hospital [+1-3] 718 Teaneck Rd., Teaneck	ChurchRel	200	7,749	Req	53	12	No	100FM	6 Rotating General	40911
Mercer Hospital [+1] 446 Bellevue Ave., Trenton 8	NPCorp	246	9,673	Req	36	12	No	150FM	9 Rotating General	41011
St. Francis Hospital [+1-3] 601 Hamilton Ave., Trenton 9	ChurchRel	350	10,494	Req	37	12	No	150FM	10 Rotating General	41111
William McKinley Memorial Hospital [1-3] 750 Brunswick Ave., Trenton 8	NPCorp	152	6,304	Req	36	12	No	180FM	5 Rotating General	41211
NEW YORK—Hospitals, 101; Internships, 1,685										
Albany Hospital [+1-3-4-X48] New Scotland Ave., Albany 8	NPCorp	681	18,459	Req	65	12	No	50-75FM	24 Rotating General 5 Straight Medicine 8 Straight Surgery	41411 41432 41433
Memorial Hospital [1-3] 161 N. Pearl St., Albany 7	NPCorp	137	3,690	Req	26	12	No	200FM	5 Rotating General	41511
St. Peter's Hospital [+3] 600 New Scotland Ave., Albany 8	ChurchRel	275	7,590	Req	46	12	229	200FM	8 Rotating General	41611
Binghamton City Hospital [+1-3] Mitchell and Park Aves., Binghamton	City	434	11,719	Req	55	12	No	125FM	8 Rotating General	41811
Lawrence Hospital [1-3] 55 Palmer Ave., Bronxville 8	NPCorp	201	5,483	Req	43	12	No	150FM	6 Rotating General	91611
Beth-El Hospital, [+1-3] Linden Blvd. and Rockaway Pkwy., Brooklyn 12	NPCorp	291	10,324	Req	20	12	230	100FM	18 Rotating General	41911
Brooklyn Hospital [+1-3-X54] 121 De Kalb Ave., Brooklyn 1	NPCorp	332	9,328	Req	71	12	No	75FM	16 Rotating General	42011
Coney Island Hospital [+1-3-4] Ocean Pkwy. and Ave. Z, Brooklyn 35	City	253	6,614	Req	25	12	No	71FM	14 Rotating General	42211
Cumberland Hospital [+1-3-4-x54] 39 Auburn Place, Brooklyn 5	City	287	8,071	Req	30	12	230	65FM	6 Rotating General 2 Straight Medicine 2 Straight Surgery 2 Straight Pediatrics	42311 42332 42333 42334
Greenpoint Hospital [+1-3-4-x54] Kingsland and Skillman Aves., Brooklyn 11	City	281	7,022	Req	24	12	No	71FM	12 Rotating General	42411
Jewish Hospital [+1-3-4-X54] 555 Prospect Place, Brooklyn 38	NPCorp	507	15,868	Req	40	12	No	85FM	30 Rotating General 3 Straight Pediatrics	42511 42534

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
NEW YORK—Continued										
Kings County Hospital Center +1-3-4-X54..... 451 Clarkson Ave., Brooklyn 3	City	3,451	59,152	Req	26	12	No	70FM	108 Rotating General 26 Straight Medicine 10 Straight Surgery 3 Straight Pediatrics 1 Straight Pathology	43611 43632 43633 43634 43636
Long Island College Hospital +1-3-X54..... 340 Henry St., Brooklyn 1	NPCorp	405	11,805	Req	46	12	No	125PM	16 Rotating General 2 Straight Medicine 2 Straight Surgery 1 Straight Pediatrics	42711 42732 42733 42734
Maimonides Hospital +1-3-X54..... 4802 10th Ave., Brooklyn 19	NPCorp	463	12,659	Req	34	12	No	35FM	24 Rotating General 5 Straight Medicine	42811 42832
Methodist Hospital +1-3-x54..... 506 6th St., Brooklyn 15	ChurchRel	421	10 825	Req	38	12	No	150FM	12 Rotating General 2 Straight Medicine 1 Straight Surgery 1 Straight Pediatrics 1 Straight Pathology	42911 42932 42933 42934 42936
Norwegian Lutheran Deaconesses' Home and Hospital +1-3..... 4520 4th Ave., Brooklyn 20	ChurchRel	205	6,325	Req	78	12	No	110PM	6 Rotating General 1 Straight Ob.-Gyn.	43011 43035
Prospect Heights Hospital 1-3..... 775 Washington Ave., Brooklyn 38	NPCorp	177	6,812	Req	34	12	No	140PM	4 Rotating General	87411
St. Catherine's Hospital +1..... 133 Bushwick Ave., Brooklyn 6	ChurchOpr	292	7,456	Req	32	12	No	125FM	10 Rotating General	43111
St. John's Episcopal Hospital +1-3..... 480 Herkimer St., Brooklyn 13	ChurchOpr	251	7,667	Req	42	12	No	160FM	9 Rotating General 1 Straight Medicine 3 Straight Surgery 1 Straight Pediatrics	43211 43232 43233 43234
St. Mary's Hospital +1-3..... 1298 St. Marks Ave., Brooklyn 13	ChurchRel	237	5,818	Req	35	12	No	100FM	8 Rotating General	43311
Unity Hospital +1-3..... 1545 St. Johns Place, Brooklyn 13	NPCorp	226	6,471	Req	24	12	No	100FM	8 Rotating General	43411
Wyckoff Heights Hospital +1-3..... 374 Stockholm St., Brooklyn 37	NPCorp	252	7,653	Req	16	12	No	100FM	8 Rotating General	43511
Allied Hospitals of the Sisters of Charity +1-3 2157 Main St., Buffalo 14	ChurchRel	440	15,931	Req	30	12	No	200FM	18 Rotating General 2 Straight Ob.-Gyn.	44111 44135
Buffalo General Hospital +1-3-4-X49..... 100 High St., Buffalo 3	NPCorp	620	15,894	Req	49	12	231	150-200FM	18 Rotating General 3 Straight Medicine 3 Straight Surgery	43611 43632 43633
Deaconess Hospital +1-3..... 563 Riley St., Buffalo 8	NPCorp	277	10,039	Req	30	12	232	200FM	8 Rotating General	43711
Edward J. Meyer Memorial Hospital +1-4-X49... 462 Grider St., Buffalo 15	County	1,010	11,528	Req	42	12	No	170PM	24 Rotating General	43811
Mercy Hospital +3..... 565 Abbott Rd., Buffalo 20	ChurchRel	360	12,515	Req	46	12	233	200-225FM	20 Rotating General	43911
Millard Fillmore Hospital +1-3-4-x49..... 875 Lafayette Ave., Buffalo 9	NPCorp	473	18,844	Req	43	12	231	230	15 Rotating General	44011
Sisters of Charity Hospital..... Buffalo 14	See Allied Hospitals of the Sisters of Charity									
Mary Imogene Bassett Hospital +1-3-x48-X50.... Atwell Rd., Cooperstown	NPCorp	112	3,369	Req	61	12	No	110PM	2 Rotating General 1 Straight Medicine 4 Mixed (Med.-Surg.)	44211 44232 44234
Arnot Ogden Memorial Hospital +1-3..... Roe Ave., Elmira	NPCorp	175	7,188	Req	38	12	234	200FM	4 Rotating General	44311
St. Joseph's Hospital 1-3..... 555 E. Market St., Elmira	ChurchRel	229	7,851	None	39	12	No	290-390PM	4 Rotating General	44411
Flushing Hospital and Dispensary +1-3-4..... 44-14 Parsons Blvd., Flushing 55	NPCorp	313	12,697	Req	33	12	No	150FM	12 Rotating General	44511
North Country Community Hospital 1-3..... St. Andrews Lane, Glen Cove	NPCorp	183	7,113	Req	40	12	No	200FM	6 Rotating General	44611
Glens Falls Hospital 1-3..... 100 Park St., Glens Falls	NPCorp	250	10,071	Req	37	12	No	200FM	6 Rotating General	44711
Meadowbrook Hospital +1-3..... Bethpage Tpke. and Carman Ave., Hempstead	County	600	13,851	Req	63	12	No	150FM	32 Rotating General	44811
Jamaica Hospital +1-3..... 89th Ave. and Van Wyck Expwy., Jamaica 18	NPCorp	270	7,897	Req	28	12	No	125FM	10 Rotating General	44911
Mary Immaculate Hospital +1-3-4..... 152-11 89th Ave., Jamaica 32	ChurchRel	295	8,901	Req	28	12	No	100FM	8 Rotating General	45011
Queens Hospital Center +4-3-4..... 82-68 164th St., Jamaica 32	City	1,426	13,728	Req	36	12	No	71FM	42 Rotating General 2 Straight Surgery	45111 45133
Charles S. Wilson Memorial Hospital +1-3..... 33 Harrison St., Johnson City	NPCorp	450	12,529	Req	43	12	No	175PM	12 Rotating General 2 Straight Medicine 2 Straight Surgery 1 Straight Ob.-Gyn.	46211 45232 45233 45235
Our Lady of Victory Hospital +3..... 800 Ridge Rd., Lackawanna 18	ChurchOpr	260	8,882	Req	30	12	No	150FM	7 Rotating General	45311
*St. John's Long Island City Hospital +1-3..... 2501 Jackson Ave., Long Island City 1	ChurchOpr	224	6,480	Req	22	12	No	100FM	13 Rotating General	.....
Nassau Hospital +1-3..... 2nd St., Mineola	NPCorp	250	12,737	Req	33	12	No	100FM	4 Rotating General	45511
Northern Westchester Hospital 1-3..... E. Main St., Mount Kisco	NPCorp	145	4,810	Req	38	12	No	100FM	4 Rotating General	45611
St. Luke's Hospital 1-3-4..... 70 Dubois St., Newburgh	NPCorp	223	6,651	Req	38	12	No	150FM	5 Rotating General	45811
New Rochelle Hospital +1-3-4..... 16 Guion Pl., New Rochelle	NPCorp	305	9,947	Req	35	12	No	200FM	16 Rotating General	45911
Bellevue Hospital Center -X50-51-53..... 1st Ave. and 27th St., New York 16	City	2,779	46,866	Req	33	12	...	71FM		
First Medical Division— Columbia University +1-3..... Dr. Dickinson Richards, Jr.	.....	...	.....	Req	..	12	No	71FM	12 Mixed (Med.-Chest-Surg. or Path.)	46067
First Surgical Division— Columbia University +1-3..... Dr. Kenneth Lewis, Jr.	.....	...	.....	Req	..	12	No	71FM	4 Rot. (Surg. Major) 2 Straight Surgery	46113 46133
Second Medical Division— Cornell University +1-3..... Dr. Thomas Almy	.....	...	.....	Req	..	12	No	71FM	16 Straight Medicine 2 Mixed (Med.-Path.)	46232 46227
Second Surgical Division— Cornell University +1-3..... Dr. Cranston Holman	.....	...	.....	Req	..	12	No	71FM	7 Straight Surgery	46333

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
NEW YORK—Continued										
Third Medical Division—										
New York University College of Medicine [1-3]	.....	...	.....	Req	..	12	No	71FM	12 Straight Medicine	46432
Dr. William S. Tillett									4 Mixed (Med.-Surg.)	46424
Third Surgical Division—										
New York University College of Medicine [1-3]	.....	...	.....	Req	..	12	No	71FM	6 Straight Surgery	46533
Dr. John H. Mulholland									4 Mixed (Surg. Med.)	46524
Third Division, Dept. of Pathology—										
New York University College of Medicine [1-3]	.....	...	.....	....	..	12	No	71FM	1 Straight Pathology	93036
Dr. Marvin Kuschner										
Third Division, Dept. of Pediatrics—										
New York University College of Medicine [1-3]	.....	...	.....	Req	..	12	235	71FM	18 Straight Pediatrics	92934
Dr. L. Emmett Holt										
Fourth Medical Division—										
New York University Post-Graduate Medical School [1-3-4]	.....	...	.....	Req	..	12	236	71FM	10 Straight Medicine	46632
Dr. Charles F. Wilkinson, Jr.										
Fourth Surgical Division—										
New York University Post-Graduate Medical School [1-3-4]	.....	...	.....	Req	..	12	No	71FM	8 Straight Surgery	46733
Dr. J. William Hinton										
Beth David Hospital [1-3]	NPCorp	169	5,367	Req	34	12	No	70FM	14 Rotating General	46911
161 E. 90 St., New York 28										
Beth Israel Hospital [1-3-4]	NPCorp	357	9,271	Req	44	12	No	95PM	16 Rotating General	47011
10 Nathan D. Perlman Pl., New York 3										
Bronx Hospital [1-3-4]	NPCorp	329	9,036	Req	30	12	No	35FM	9 Rotating General	47111
1276 Fulton Ave., New York 56										
Bronx Municipal Hospital Center [1-3-4]-X88	City	511	.....	Req	70	12	No	71FM	48 Rotating General	93111
Pelham Pkwy. and Eastchester Rd., New York 61									18 Straight Medicine	93132
Columbus Hospital [3]	ChurchRel	350	6,975	Req	40	12	No	75FM	14 Rotating General	47211
227 E. 19th St., New York 3										
Fordham Hospital [1-3-4]	City	414	9,761	....	23	12	No	71FM	17 Rotating General	47411
Southern Blvd. and Crotona Ave., New York 58										
French Hospital [1-3]	NPCorp	256	5,858	Req	20	12	237	50FM	12 Rotating General	47511
330 W. 30th St., New York 1										
Harlem Hospital [1-3-4]	City	705	18,112	Req	24	12	No	165FM	42 Rotating General	47811
532 Lenox Ave., New York 30										
Hospital for Joint Diseases [1-3-4]	NPCorp	280	5,373	Req	32	12	238	50FM	9 Rotating General	47911
1919 Madison Ave., New York 35										
Jewish Memorial Hospital [3-4]	NPCorp	185	5,937	Req	37	12	No	75FM	10 Rotating General	48011
190th St. and Broadway, New York 40										
Knickerbocker Hospital [1-3]	NPCorp	210	5,314	Req	27	12	239	100FM	6 Rotating General	48111
70 Convent Ave., New York 27										
Lebanon Hospital [1-3]	NPCorp	215	6,626	None	36	12	No	50FM	12 Rotating General	48211
1650 Grand Concourse, New York 57									1 Straight Medicine	48232
									1 Straight Surgery	48233
Lenox Hill Hospital [1-3-4]	NPCorp	482	12,244	Req	44	12	No	80PM	23 Rotating General	48311
111 E. 76th St., New York 3									1 Mixed (Med.-Surg.-Ob.-Gyn.)	48322
Lincoln Hospital [1-3-4]	City	409	11,879	Req	27	12	No	71FM	12 Rotating General	48411
320 Concord Ave., New York 54										
Misericordia Hospital [1-3]	ChurchRel	183	5,324	Req	32	12	No	75FM	8 Rotating General	48611
531 E. 86th St., New York 28										
Montefiore Hospital [1-3-4]-X50	NPCorp	865	6,422	None	48	12	No	40FM	24 Mixed (Med.-Surg.-Pul. Neurology-Neoplastic)	48785
210th St. at Bainbridge Ave., New York 67										
Morrisania City Hospital [1-3-4]	City	471	11,176	Req	31	12	No	71FM	16 Rotating General	48811
1230 Gerard Ave., New York 52										
Mother Cabrini Memorial Hospital [1-3]	ChurchRel	175	3,769	Req	27	12	No	100FM	7 Rotating General	48911
611 Edgecombe Ave., New York 32										
Mount Sinai Hospital [1-4]-X50	NPCorp	1,002	22,328	Req	68	12	No	25FM	31 Rotating General	49011
1 E. 100th St., New York 29									9 Straight Surgery	49033
New York City Hospital [1-3-4]	City	823	11,469	Req	30	12	No	71FM	24 Rotating General	49111
Welfare Island, New York 17										
New York Hospital [1-3-4]-X51	NPCorp	1,411	24,464	Req	55	12	No	FM	16 Straight Medicine	49232
525 E. 68th St., New York 21									15 Straight Surgery	49233
									4 Straight Pediatrics	49234
									2 Straight Pathology	49236
New York Infirmary [1-3-4]	NPCorp	250	.....	Req	54	12	No	75FM	5 Rotating General	87511
Stuyvesant Sq. E. and 15th St., New York 3										
New York Polyclinic Medical School and Hospital [1-3-4]	NPCorp	394	9,379	Req	38	12	No	75FM	8 Rotating General	49411
345 W. 50th St., New York 19										
Presbyterian Hospital [1-4]-X50	NPCorp	1,523	36,493	Req	57	12	No	167	12 Straight Medicine	49532
622 W. 168th St., New York 32									12 Straight Surgery	49533
									3 Straight Pathology	49536
Roosevelt Hospital [1-4]-X50	NPCorp	401	9,038	Req	39	12	No	83PM	6 Mixed (Med.-Ped.-Surg.)	49623
428 W. 59th St., New York 19									6 Mixed (Surg.-Gyn.-Med.)	49672
St. Clare's Hospital [1-3]	ChurchRel	411	9,677	Req	36	12	No	100FM	13 Rotating General	49711
415 W. 51st St., New York 19									1 Straight Medicine	49732
									2 Straight Surgery	49733
St. Francis Hospital [1-3]	ChurchRel	360	8,503	Req	28	12	No	100FM	12 Rotating General	49811
525 E. 142nd St., New York 54										
St. Luke's Hospital [1-3-4]-X50	NPCorp	538	10,114	Req	55	12	No	35FM	8 Mixed (9 mo. Med.-3 mo. Surg.)	49983
421 W. 113th St., New York 25									6 Mixed (9 mo. Surg.-3 mo. Med.)	49984
St. Vincent's Hospital [1-3]-x53	ChurchOpr	679	14,281	Req	48	12	240	80FM	19 Rotating General	50011
153 W. 11th St., New York 11									2 Straight Medicine	50032
									6 Straight Surgery	50033
Sydenham Hospital [1-3-4]	City	220	5,635	None	47	12	No	71FM	9 Rotating General	50111
565 Manhattan Ave., New York 27										
Mount St. Mary's Hospital [1-3]	ChurchRel	200	5,870	Req	60	12	241	200FM	4 Rotating General	50311
515 6th St., Niagara Falls										
Niagara Falls Memorial Hospital [1-3]	NPCorp	297	9,860	Req	31	12	241	200FM	7 Rotating General	93511
621 10th St., Niagara Falls										
United Hospital [1-3]	NPCorp	225	6,895	Req	38	12	No	200FM	8 Rotating General	50411
406 Boston Post Rd., Port Chester										

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NEW YORK—Continued										
St. Francis Hospital [1-3] North Rd., Poughkeepsie	ChurchRel	176	6,193	Req	33	12	No	200FM	6 Rotating General	50511
Vassar Brothers Hospital [1-3] Reade Pl., Poughkeepsie	NPCorp	249	7,391	Req	42	12	No	200FM	6 Rotating General	50811
Genesee Hospital +[1-3]-x55 224 Alexander St., Rochester 7	NPCorp	252	9,029	Req	78	12-24	No	50-60FM	8 Rot. General (12 mo.) 4 Rot. General (24 mo.) 1 Straight Medicine 2 Straight Surgery 1 Straight Pathology	50711 50716 50732 50733 50736
Highland Hospital +[1-3]-x55 South Ave. at Bellevue Dr., Rochester 20	NPCorp	197	7,629	Req	67	12	242	75-100FM	9 Rotating General 3 Straight Surgery	50811 50833
Rochester General Hospital +[1-3-4]-x55 501 W. Main St., Rochester 8	NPCorp	332	13,141	Req	71	12	243	75FM	20 Rotating General	50911
St. Mary's Hospital +[1-3]-x55 89 Genesee St., Rochester 11	ChurchOpr	335	13,875	Req	52	12	No	175FM	18 Rotating General	51011
Strong Memorial-Rochester Municipal Hospitals +[1-3]-X55 Crittenden Blvd., Rochester 20	NPCorpCy	736	18,628	Req	72	12-24	244	15-30FM	12 Rot. General (24 mo.) 12 Straight Medicine 7 Straight Surgery 4 Straight Pediatrics 5 Straight Pathology 4 Mixed (Surg.-Ob.-Gyn)	51116 51132 51133 51134 51136 51126
Ellis Hospital +[1-3]-X48 1101 Nott St., Schenectady 8	NPCorp	358	13,124	Req	47	12	No	125FM	10 Rotating General	51211
St. Clare's Hospital [1-3] 600 McClellan St., Schenectady 4	ChurchRel	185	7,811	Req	27	12	No	150FM	6 Rotating General	51311
St. Vincent's Hospital +[1-3] 335 Bard Ave., Staten Island 10	ChurchOpr	254	8,698	Req	25	12	No	100FM	8 Rotating General	51411
Staten Island Hospital +[1-3] 101 Castleton Ave., Staten Island 1	NPCorp	215	7,444	Req	38	12	No	100FM	8 Rotating General	51511
General Hospital +[1-3]-x56 116 E. Castle St., Syracuse 5	NPCorp	129	5,532	Req	29	12	No	167	3 Rotating General	51711
St. Joseph's Hospital +[1]-x56 301 Prospect Ave., Syracuse 3	ChurchRel	304	11,254	Req	40	12	No	166PM	12 Rotating General	51811
State University of New York Upstate Medical Center Hospitals (University Hospital of the Good Shepherd, Crouse-Irving and Memorial Hospitals) +[1-3]-X56-x56 766 Irving Ave., Syracuse 10	NPCorp	693	24,811	Req	46	12	No	167	20 Rotating General 5 Straight Medicine 2 Straight Surgery 1 Straight Pediatrics	51611 51632 51633 51634
St. Mary's Hospital [1-3] 87 Oakwood Ave., Troy	ChurchRel	250	7,221	Req	21	12	No	175FM	6 Rotating General	51911
Samaritan Hospital +[1-3] Peoples and Burdett Aves., Troy	NPCorp	166	6,373	Req	38	12	No	125FM	8 Rotating General	52011
Grasslands Hospital +[1-3-4] Valhalla	County	611	4,576	Req	60	12	No	150FM	18 Rotating General	52111
St. Agnes Hospital [3] North St., White Plains	ChurchRel	151	4,347	Req	34	12	No	150FM	4 Rotating General	52211
White Plains Hospital +[1-3] 41 E. Post Rd., White Plains	NPCorp	210	7,934	Req	42	12	No	150FM	6 Rotating General	52311
St. John's Riverside Hospital +[1-3] Ashburton and Palisade Aves., Yonkers	NPCorp	214	6,666	Req	32	12	No	100FM	8 Rotating General	52411
St. Joseph's Hospital [1-3] 127 S. Broadway, Yonkers	ChurchRel	180	3,780	Req	24	12	No	100FM	8 Rotating General	52511
Yonkers General Hospital [1-3] 127 Ashburton Ave., Yonkers	NPCorp	143	5,119	Req	29	12	No	100FM	7 Rotating General	52611
NORTH CAROLINA—Hospitals, 14; Internships, 193										
Memorial Mission Hospital [1] 509 Biltmore Ave., Asheville	NPCorp	315	10,831	Req	40	12	245	100FM	8 Rotating General	94911
North Carolina Memorial Hospital +[1]-X57 Pittsboro Rd., Chapel Hill	State	483	6,372	Req	78	12	246	125	10 Straight Medicine 8 Straight Surgery 4 Straight Pediatrics 6 Mixed (Med.-Ped.)	90032 90033 90034 90048
Charlotte Memorial Hospital +[1-4] 1400 Scott Ave., Charlotte 3	NPCorp	352	12,643	Req	68	12	No	200FM	10 Rotating General	52711
Mercy Hospital +[1-3] 2000 E. 5th St., Charlotte 4	ChurchRel	276	10,949	Req	41	12	No	100FM	6 Rotating General	95011
Duke Hospital +[1-3-4]-X58 Durham	NPCorp	542	16,124	Req	71	12	247	25FM	24 Straight Medicine 17 Straight Surgery 10 Straight Pediatrics 4 Straight Pathology 4 Mixed (Ob.-Ped.)	52932 52933 52934 52936 52988
Lincoln Hospital +[1-3] 1301 Fayetteville St., Durham	NPCorp	125	2,882	Req	30	12	No	150FM	4 Rotating General	53011
Watts Hospital +[1-3]-X57 Broad St. and Club Blvd., Durham	NPCorp	249	8,810	Req	51	12	No	100FM	7 Rotating General 3 Mixed (Med.-Surg.-Ob.) 2 Straight Medicine 2 Straight Surgery 1 Straight Obstetrics (only)	87711 87769 87732 87733 87739
Moses H. Cone Memorial Hospital [1-3] 1200 N. Elm St., Greensboro	NPCorp	310	6,486	Req	57	12	No	150FM	4 Rotating General	94311
Rex Hospital +[1]-X57 1311 St. Mary's St., Raleigh	NPCorp	311	13,173	Req	38	12	No	150FM	12 Rotating General	53211
St. Agnes Hospital +[1] Oakwood Ave. and Tarboro St., Raleigh	ChurchRel	100	3,102	Req	22	12	No	200FM	4 Rotating General	53311
James Walker Memorial Hospital [1-3] N. 10th St., Wilmington	NPCorp	250	10,401	Req	32	12	No	100FM	6 Rotating General	53411
City Memorial Hospital +[1-3] Hospital St., Winston-Salem 4	City	294	13,861	Req	42	12	No	250	15 Rotating General	53511
Kate Bitting Reynolds Memorial Hospital +[1] 1101 E. 7th St., Winston-Salem 4	City	184	5,166	Req	26	12	No	150FM	6 Rotating General	53611
North Carolina Baptist Hospital +[1-3]-X59 300 S. Hawthorne Rd., Winston-Salem 7	ChurchOpr	346	10,977	Req	53	12	No	83PM	7 Straight Medicine 3 Straight Surgery 3 Straight Pediatrics 1 Straight Pathology 2 Mixed (Ped.-Ob.-Gyn.)	53732 53733 53734 53736 53708

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
NORTH DAKOTA—Hospitals, 4; Internships, 20										
St. John's Hospital [1-3] 365 6th Ave., Fargo	ChurchRel	181	5,909	Req	47	12	No	150FM	4 Rotating General	87011
St. Luke's Hospital [+] 727 Broadway, Fargo	NPCorp	179	7,069	Req	50	12	No	150FM	8 Rotating General	53911
Grand Forks Deaconess Hospital 212 S. 4th St., Grand Forks	NPCorp	150	5,755	Req	63	12	No	175FM	4 Rotating General	54011
Trinity Hospital [1] 13 4th Ave., S.W., Minot	NPCorp	184	6,660	Req	69	12	No	100FM	4 Rotating General	91711
OHIO—Hospitals, 50; Internships, 697										
Akron General Hospital [+1-3] 256 W. Cedar St., Akron 7	NPCorp	221	13,273	Req	48	12	248	200FM	24 Rotating General	54211
City Hospital [+1-3] 525 E. Market St., Akron 9	NPCorp	472	17,845	Req	45	12	248	200FM	24 Rotating General	54111
St. Thomas Hospital [+1-3] 444 N. Main St., Akron 10	ChurchRel	207	9,450	Req	58	12	No	200FM	12 Rotating General	54311
Aultman Hospital [+1-3] 625 Clarendon Ave., S.W., Canton 10	NPCorp	353	12,904	Req	43	12	No	250PM	14 Rotating General	54411
Mercy Hospital [+1-3] Market Ave. and 8th St., N.W., Canton 2	ChurchRel	302	13,712	Req	37	12	No	125FM	6 Rotating General	54511
Bethesda Hospital [+1-3] Oak St. and Reading Rd., Cincinnati 6	ChurchRel	230	9,981	Req	38	12	249	150FM	8 Rotating General 2 Mixed (Med.-Ob.-Surg.)	54611 54669
Christ Hospital [+1] 2139 Auburn Ave., Cincinnati 19	ChurchRel	356	11,373	Req	51	12	249	150FM	13 Rotating General	54711
Cincinnati General Hospital [+1-3-4-X60] 3231 Burnet Ave., Cincinnati 29	City	810	15,027	Req	64	12	250	15FM	52 Rotating General	54811
Deaconess Hospital [+1-3] Clifton Ave. and Straight St., Cincinnati 20	ChurchRel	158	5,522	Req	32	12	251	125FM	6 Rotating General	54911
Good Samaritan Hospital [+1-3] 3217 Clifton Ave., Cincinnati 20	ChurchRel	559	17,958	None	38	12	No	150FM	16 Rotating General	55011
Jewish Hospital [+1-3] Burnet Ave., Cincinnati 29	NPCorp	370	13,772	Req	58	12	252	125FM	16 Rotating General	55111
St. Mary's Hospital [+1-3] 816 Betts St., Cincinnati 14	ChurchRel	205	6,175	Req	35	12	No	200FM	11 Rotating General	55211
City Hospital [+1-3-4-X61] 3395 Scranton Rd., Cleveland 9	City	994	10,145	Req	49	12	No	80FM	30 Rotating General	55311
Evangelical Deaconess Hospital [+1-3] 4229 Pearl Rd., Cleveland 9	ChurchRel	201	8,557	None	30	12	No	100FM	8 Rotating General	90911
Fairview Park Hospital [+1-3] 18101 Lorain Ave., Cleveland 11	NPCorp	150	7,668	Req	29	12	No	100FM	6 Rotating General	55411
Lutheran Hospital [+1-3] 2609 Franklin Blvd., Cleveland 13	ChurchRel	189	7,461	None	51	12	253	150FM	12 Rotating General	55611
Mount Sinai Hospital [+1-4] 1800 E. 105th St., Cleveland 6	NPCorp	348	14,409	Req	38	12	No	150FM	18 Rotating General	55711
St. Alexis Hospital [+1-3] 5163 Broadway, Cleveland 27	ChurchRel	234	10,776	Req	38	12	No	250PM	8 Rotating General	55811
St. John's Hospital [+1-3] 7911 Detroit Ave., Cleveland 2	ChurchRel	236	8,342	Req	36	12	No	150FM	7 Rotating General	55911
St. Luke's Hospital [+1-3-4] 11311 Shaker Blvd., Cleveland 4	ChurchRel	448	18,088	Req	45	12	No	100FM	27 Rotating General	56011
St. Vincent Charity Hospital [+1-3] 2222 Central Ave., Cleveland 15	ChurchRel	317	9,896	Req	38	12	254	200PM	15 Rotating General	56111
University Hospitals [+1-X61] 2065 Adelbert Rd., Cleveland 6	NPCorp	729	22,669	Req	65	12	No	100PM	16 Rotating General 12 Straight Medicine 8 Straight Surgery 2 Straight Pediatrics	56211 56232 56233 56234
Doctors Hospital [+1-3] 12345 Cedar Rd., Cleveland Heights 6	NPCorp	185	7,179	None	56	12	No	100FM	12 Rotating General	56311
Grant Hospital [+3] 125 S. Grant Ave., Columbus 15	NPCorp	254	10,563	None	30	12	255	200FM	12 Rotating General	56411
Mount Carmel Hospital [+1] 793 W. State St., Columbus 22	ChurchRel	400	14,847	None	42	12	255	200FM	15 Rotating General	56511
University Hospitals [+1-4-X62] 10th and Perry Sts., Columbus 10	State	600	18,142	Req	72	12	256	125	48 Rotating General	56611
White Cross Hospital [+1-3-4] 700 N. Park St., Columbus 8	ChurchRel	329	13,651	Req	39	12	No	225	12 Rotating General	56711
Good Samaritan Hospital [+1-3] 1425 Fairview Ave., Dayton 6	ChurchRel	310	14,254	Req	53	12	No	200PM	12 Rotating General	56811
Miami Valley Hospital [+1-3-4] 1 Wyoming St., Dayton 9	NPCorp	564	17,983	Req	83	12-24	No	135-185PM	12 Rot. General (12 mo.) 4 Rot. General (24 mo.)	56911 56916
St. Elizabeth Hospital [+1-3] 49 Hopeland St., Dayton 8	ChurchRel	456	14,612	Req	31	12	No	125FM	16 Rotating General	57011
Huron Road Hospital [+1-3] 13951 Terrace Rd., East Cleveland 12	NPCorp	283	11,765	Req	44	12	No	200FM	8 Rotating General	57111
Elyria Memorial Hospital [+1-3] 630 E. River St., Elyria	NPCorp	250	6,513	Req	36	12	No	100-150FM	4 Rotating General	90111
Euclid-Glenville Hospital [+1-3] E. 185th St. and Lake Erie, Euclid 19	NPCorp	188	7,208	Req	42	12	No	100FM	6 Rotating General	55511
Marymount Hospital [+3] 12300 McCracken Rd., Garfield Heights 25	ChurchRel	190	7,627	Req	38	12	253	250FM	10 Rotating General	57211
Mercy Hospital [+1-3] 116 Dayton St., Hamilton	ChurchRel	300	12,024	Req	43	12	No	150FM	6 Rotating General	57311
Lakewood Hospital [+1-3] 14519 Detroit Ave., Lakewood 7	City	275	10,561	Req	35	12	No	175FM	6 Rotating General	57411
Lima Memorial Hospital [+1-3] Linden and Mobel Sts., Lima	NPCorp	251	10,024	Req	34	12	No	250FM	10 Rotating General	57511
St. Rita's Hospital [+1-3] 801 W. High St., Lima	ChurchOpr	281	11,358	Req	37	12	257	225PM	10 Rotating General	57611
Mercy Hospital [1] 1343 N. Fountain Blvd., Springfield	ChurchRel	280	9,329	Req	47	12	No	175FM	8 Rotating General	87811
Springfield City Hospital [1] 2615 E. High St., Springfield	City	247	8,642	Req	42	12	No	175FM	9 Rotating General	57711
Ohio Valley Hospital [3] 380 Summit Ave., Steubenville	NPCorp	203	8,589	Req	37	12	258	225FM	8 Rotating General	92711
Flower Hospital [1-3] 3349 Cherry St., Toledo 12	ChurchRel	167	7,219	Req	35	12	255	200FM	5 Rotating General	57811
Maumee Valley Hospital [+1-3] 2025 Arlington Ave., Toledo 9	County	292	4,060	Req	47	12	No	200FM	8 Rotating General	57911
Mercy Hospital [+1-3] 2221 Madison Ave., Toledo 2	ChurchRel	282	12,022	Req	48	12	No	200FM	14 Rotating General	58011

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
OHIO—Continued										
Riverside Hospital [1-3] 1609 Summit St., Toledo 11	NPCorp	166	6,489	Req	32	12	No	200FM	6 Rotating General	58111
St. Charles Hospital [1-3] Wheeling and Navarre Sts., Toledo 5	ChurchRel	201	5,448	Req	35	12	No	250FM	8 Rotating General	95111
St. Vincent's Hospital [+1-3] 2213 Cherry St., Toledo 8	ChurchRel	438	16,006	Req	35	12	259	200FM	15 Rotating General	58211
Toledo Hospital [+1-3] 2142 N. Cove Blvd., Toledo 6	NPCorp	278	11,669	Req	61	12	No	200FM	12 Rotating General	58311
St. Elizabeth Hospital [+1-3] 1044 Belmont Ave., Youngstown 4	ChurchRel	333	13,735	Req	27	12	No	200PM	10 Rotating General	58411
Youngstown Hospital [+1-3-4] Oak Hill and Francis St., Youngstown 1 Gypsy Lane at Goleta Ave., Youngstown 4	NPCorp	685	22,364	Req	41	12	No	150FM	18 Rotating General	58511
OKLAHOMA—Hospitals, 6; Internships, 76										
Mercy Hospital-Oklahoma City General 501 N.W. 12th St., Oklahoma City 3	ChurchRel	147	7,010	Req	45	12	260	100PM	8 Rotating General	58611
St. Anthony Hospital [+-x63] 601 N.W. 9th St., Oklahoma City 3	ChurchRel	387	14,127	Req	27	12	No	100PM	10 Rotating General	58711
University of Oklahoma Hospitals [+1-3-4-X63] 800 N.E. 13th, Oklahoma City 4	State	433	9,157	Req	51	12	No	75PM	16 Rotating General 4 Mixed (Med.-Surg.) 4 Mixed (Ob.-Gyn.-Ped.)	58811 58824 58808
Wesley Hospital [+1-x63] 300 N.W. 12th, Oklahoma City 3	Part	200	10,405	Req	45	12	260	100FM	8 Rotating General	59011
Hillcrest Medical Center [+1] 1653 E. 12th St., Tulsa 10	NPCorp	350	16,082	Req	37	12	No	100FM	16 Rotating General	59111
St. John's Hospital [+1-3] 1923 S. Utica St., Tulsa 4	ChurchRel	460	21,807	Req	25	12	No	100-175FM	10 Rotating General	59211
OREGON—Hospitals, 7; Internships, 99										
Sacred Heart General Hospital [1] 751 E. 12th Ave., Eugene	ChurchRel	275	12,751	Req	72	12	No	150FM	8 Rotating General	59311
Emanuel Hospital [+1-3] 2801 Gantenbein Ave., Portland 12	ChurchOpr	460	15,162	Req	57	12	No	250PM	14 Rotating General	59411
Good Samaritan Hospital [+1-3] 1015 N.W. 22nd Ave., Portland 10	ChurchRel	447	13,745	None	67	12	No	150PM	16 Rotating General 1 Straight Pathology	59511 59536
Portland Sanitarium and Hospital [1] 932 S.E. 60th Ave., Portland 15	ChurchRel	176	9,402	Req	41	12	No	150	8 Rotating General	59611
Providence Hospital [+1-3] 700 N.E. 47th Ave., Portland 13	ChurchRel	283	10,558	Req	79	12	261	150PM	12 Rotating General	59711
St. Vincent's Hospital [+1-3] 2447 N.W. Westover Rd., Portland 10	ChurchRel	360	13,500	Req	53	12	262	150PM	12 Rotating General	59811
University of Oregon Medical School Hospitals and Clinics [+1-X64] 3181 S.W. Sam Jackson Park Rd., Portland 1	State-Co	463	7,993	Req	65	12	No	75FM	28 Rotating General	59911
PENNSYLVANIA—Hospitals, 77; Internships, 918										
Abington Memorial Hospital [+1-3-4] 1200 Old York Rd., Abington	NPCorp	303	9,805	Req	55	12	No	50FM	12 Rotating General	60011
Allentown Hospital [+1-3] 17th and Chew Sts., Allentown	NPCorp	508	15,304	Req	61	12	No	200FM	14 Rotating General	60111
Sacred Heart Hospital [+1] 4th and Chew Sts., Allentown	ChurchRel	397	9,581	Req	46	12	No	200FM	10 Rotating General	60211
Altoona Hospital [1-3] 7th St. and Howard Ave., Altoona	NPCorp	322	8,943	Req	30	12	No	240FM	12 Rotating General	60311
Mercy Hospital [1] 2601 8th Ave., Altoona	NPCorp	165	6,986	Req	31	12	No	200FM	4 Rotating General	60411
St. Luke's Hospital [+1-4] 801 Ostrum St., Bethlehem	NPCorp	363	11,358	Req	37	12	No	200FM	12 Rotating General	60511
Bryn Mawr Hospital [+1-3] Bryn Mawr Ave., Bryn Mawr	NPCorp	358	11,133	Req	57	12	No	75FM	12 Rotating General	60611
Chester Hospital [+1-3-4] 9th and Barclay Sts., Chester	NPCorp	287	9,389	Req	61	12	No	250FM	8 Rotating General	60711
George F. Geisinger Memorial Hospital and Foss Clinic [+1-3-4] Danville	NPCorp	270	9,911	Req	57	12	No	100FM	12 Rotating General	60811
Thomas M. Fitzgerald Mercy Hospital [+1-3-x63] Lansdowne Ave. and Baily Rd., Darby	ChurchRel	318	9,771	Req	37	12	No	200FM	12 Rotating General	60911
Easton Hospital [+1-3-4] 21st and Lehigh Sts., Easton	NPCorp	231	8,256	Req	49	12	No	200FM	5 Rotating General	61011
Hamot Hospital [+1-3] 4 E. 2nd St., Erie 6	NPCorp	304	11,646	Req	46	12	No	150-200FM	10 Rotating General	61111
St. Vincent's Hospital [+1-3] 2420 Sassafras St., Erie 6	NPCorp	305	12,056	Req	41	12	No	200FM	10 Rotating General	61211
Westmoreland Hospital [+1] 532 W. Pittsburgh St., Greensburg	NPCorp	251	8,642	None	31	12	No	250FM	4 Rotating General	61311
Harrisburg Hospital [+1-3-4-X65] Front and Mulberry Sts., Harrisburg	NPCorp	492	14,148	Req	54	12	No	200FM	15 Rotating General	61411
Harrisburg Polyclinic Hospital [+1] 3rd and Radnor Sts., Harrisburg	NPCorp	368	11,167	Req	44	12	No	200FM	12 Rotating General	61511
Conemaugh Valley Memorial Hospital [1-3] 1086 Franklin St., Johnstown	NPCorp	357	13,224	Req	35	12	No	225FM	10 Rotating General	61611
Nesbitt Memorial Hospital [1] 562 Wyoming Ave., Kingston	NPCorp	202	6,584	Req	28	12	No	300FM	4 Rotating General	95211
Lancaster General Hospital [+1] 525 N. Duke St., Lancaster	NPCorp	450	13,092	Req	34	12	No	200FM	12 Rotating General	61811
St. Joseph's Hospital [+1-3] College Ave. and Walnut St., Lancaster	ChurchOpr	263	7,186	Req	47	12	No	175FM	6 Rotating General	61911
McKeesport Hospital [1] 1500 5th Ave., McKeesport	NPCorp	445	13,830	Req	24	12	No	200-250FM	10 Rotating General	62011
Montgomery Hospital [1-3] Powell and Fornance Sts., Norristown	NPCorp	187	7,626	Req	41	12	No	250FM	6 Rotating General	62111
Sacred Heart Hospital [+1] 1430 De Kalb St., Norristown	ChurchRel	118	4,742	Req	44	12	No	250FM	2 Rotating General	62211
Albert Einstein Medical Center Northern Division [+1-3-4-X67] York and Tabor Rds., Philadelphia 41	NPCorp	394	13,046	Req	44	12	No	75FM	18 Rotating General	63111
Southern Division [+1-3-4-X65-67] 1429 S. 5th St., Philadelphia 47	NPCorp	264	7,925	Req	63	12	No	75FM	15 Rotating General	63711

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
PENNSYLVANIA—Continued										
Chestnut Hill Hospital +1-3 8835 Germantown Ave., Philadelphia 18	NPCorp	127	5,051	Req	42	12	No	250FM	4 Rotating General	91011
Episcopal Hospital +1-3-4-X67 Front St. and Lehigh Ave., Philadelphia 25	NPCorp	464	9,188	Req	55	12	No	150FM	11 Rotating General	62311
Frankford Hospital +1-3 4940 Frankford Ave., Philadelphia 24	NPCorp	188	6,310	Req	52	12	No	200FM	8 Rotating General	62411
Germantown Dispensary and Hospital +1-x66-69 E. Penn and E. Wister Sts., Philadelphia 44	NPCorp	313	10,049	Req	58	12	No	100FM	12 Rotating General	62511
Graduate Hospital of the University of Pennsylvania +1-3-4 19th and Lombard Sts., Philadelphia 46	NPCorp	350	9,056	Req	41	12	263	42FM	12 Rotating General	62811
Hahnemann Medical College and Hospital +1-X65 230 N. Broad St., Philadelphia 2	NPCorp	592	14,181	Req	44	12	No	50FM	24 Rotating General	62711
Hospital of the University of Pennsylvania +1-3-4-X68 3400 Spruce St., Philadelphia 4	NPCorp	810	23,658	Req	69	12	No	42FM	32 Rotating General	62811
Hospital of the Woman's Medical College of Pennsylvania +1-X69 3300 Henry Ave., Philadelphia 29	NPCorp	206	6,037	Req	62	12	No	100FM	6 Rotating General	62911
Jefferson Medical College Hospital +3-4-X66 10th and Sansom Sts., Philadelphia 7	NPCorp	786	18,137	Req	55	12	No	25FM	44 Rotating General	63011
Lankenau Hospital +1-x66 Lancaster & City Line Aves., Philadelphia 31	NPCorp	335	8,067	Req	46	12	No	75FM	10 Rotating General	63211
Memorial Hospital 1-3-x69 5800 Ridge Ave., Philadelphia 28	NPCorp	153	4,745	Req	25	12	264	250FM	4 Rotating General	63311
Methodist Episcopal Hospital +1-3-x66 Broad and Wolf Sts., Philadelphia 48	ChurchRel	240	5,868	Req	22	12	No	150FM	6 Rotating General	63511
Misericordia Hospital 1 54th St. and Cedar Ave., Philadelphia 43	ChurchOpr	283	9,565	Req	28	12	No	200FM	10 Rotating General	63611
Nazareth Hospital +1 8050 Holme Ave., Philadelphia 15	ChurchRel	220	9,671	....	37	12	265	200FM	8 Rotating General	63811
Pennsylvania Hospital +1-3-4-X66-68 8th and Spruce Sts., Philadelphia 7	NPCorp	445	11,827	Req	57	12	266	FM	18 Rotating General	63911
Philadelphia General Hosp. +1-4-X65-66-67-68-69 34th St. and Curie Ave., Philadelphia 4	City	2,105	21,212	None	47	12	No	55FM	108 Rotating General	64011
Presbyterian Hospital +1-4-X68 51 N. 39th St., Philadelphia 4	ChurchRel	329	7,997	Req	57	12	No	100FM	12 Rotating General	64111
St. Agnes Hospital 1-3-x65 1900 S. Broad St., Philadelphia 45	ChurchRel	350	9,233	Req	22	12	No	250FM	8 Rotating General	64211
St. Joseph's Hospital +1-3-4-x66 16th St. and Girard Ave., Philadelphia 30	ChurchRel	199	5,629	Req	20	12	No	250FM	6 Rotating General	64311
St. Luke's and Children's Medical Center +1-x65 Franklin and Thompson Sts., Philadelphia 22	NPCorp	238	7,602	Req	19	12	No	200FM	8 Rotating General	64411
St. Mary's Hospital +3-x66 Frankford Ave. and Palmer St., Philadelphia 25	ChurchOpr	280	6,646	Req	27	12	No	200FM	8 Rotating General	64511
Temple University Hospital +1-3-X67 3401 N. Broad St., Philadelphia 40	NPCorp	543	16,071	Req	57	12	267	25FM	36 Rotating General	64611
Woman's Hospital +1-3-X69 Preston and Parrish Sts., Philadelphia 4	NPCorp	153	5,247	Req	36	12	No	150FM	2 Rotating General 1 Rot. (Ob.-Gyn. Major) 1 Straight Medicine	64711 64715 64732
Allegheny General Hospital +1-4-X70 320 E. North Ave., Pittsburgh 12	NPCorp	568	15,131	Req	34	12	No	150-182FM	18 Rotating General	64811
Mercy Hospital +1-3-X70 1400 Locust St., Pittsburgh 19	ChurchRel	655	15,113	Req	46	12	No	150FM	24 Rotating General	64911
Montefiore Hospital +1-3-4 3459 5th Ave., Pittsburgh 13	NPCorp	310	9,899	Req	50	12	No	83FM	12 Rotating General	65011
*Pittsburgh Hospital +1-3 6655 Frankstown Ave., Pittsburgh 6	NPCorp	225	7,107	Req	33	12	No	200FM	6 Rotating General	.....
Presbyterian Hospital +1-3-X70 230 Lothrop St., Pittsburgh 13	NPCorp	251	5,486	Req	43	12	268	50FM	20 Rotating General	65211
St. Francis General Hospital and Rehabilitation Institute +1-3-4-X70 408 45th St., Pittsburgh 1	NPCorp	687	14,745	Req	43	12	No	200FM	18 Rotating General	88111
St. John's General Hospital +1-3 3339 McClure Ave., Pittsburgh 12	NPCorp	186	6,762	Req	31	12	No	200FM	5 Rotating General	65411
St. Joseph's Hospital and Dispensary 1 2117 Carson St., Pittsburgh 3	ChurchOpr	170	5,146	Req	38	12	No	250FM	6 Rotating General	65511
St. Margaret Memorial Hospital +1 265 46th St., Pittsburgh 1	ChurchRel	151	3,585	Req	54	12	No	175FM	4 Rotating General	65611
Shadyside Hospital 1-3 5230 Centre Ave., Pittsburgh 32	NPCorp	301	8,718	Req	46	12	No	230PM	10 Rotating General	65711
South Side Hospital +1-3 S. 20th and Jane Sts., Pittsburgh 3	NPCorp	316	9,213	Req	43	12	No	225FM	8 Rotating General	65811
Western Pennsylvania Hospital +1-3-4 4800 Friendship Ave., Pittsburgh 24	NPCorp	551	15,567	Req	43	12	No	200FM	18 Rotating General	65911
Community General Hospital +1-3 135 N. 6th St., Reading	NPCorp	173	5,179	Req	38	12	No	200FM	5 Rotating General	66011
Reading Hospital +1 6th and Spruce Sts., Reading	NPCorp	422	12,414	Req	46	12	No	200FM	14 Rotating General	66111
St. Joseph's Hospital +1-3 1215 Walnut St., Reading	ChurchRel	206	7,066	Req	56	12	269	200FM	6 Rotating General	66211
Robert Packer Hospital +1-3-X65 S. Wilbur Ave., Sayre	NPCorp	340	13,593	Req	57	12	No	75FM	12 Rotating General	66411
Scranton State Hospital +1 201 Mulberry St., Scranton 3	State	290	6,142	Req	29	12	No	253FM	10 Rotating General	66611
Sewickley Valley Hospital 1-3 Blackburn Rd., Sewickley	NPCorp	206	6,865	Req	26	12	No	225FM	8 Rotating General	66711
Sharon General Hospital + 740 E. State St., Sharon	NPCorp	253	10,836	Req	25	12	No	100FM	5 Rotating General	93811
Allegheny Valley Hospital 1-3 1300 Carlisle St., Tarentum	NPCorp	201	8,197	Req	30	12	270	225FM	4 Rotating General	93611
Uniontown Hospital 1-3 500 W. Berkeley St., Uniontown	NPCorp	245	8,588	Req	32	12	No	300FM	5 Rotating General	66811
Washington Hospital 155 Wilson Ave., Washington	NPCorp	206	6,751	Req	32	12	No	200FM	6 Rotating General	66911
Chester County Hospital +1 Boot Rd., West Chester	NPCorp	155	4,866	Req	47	12	No	250FM	6 Rotating General	88211
Mercy Hospital +1-4 196 Hanover St., Wilkes-Barre	Church Rel	193	5,886	Req	27	12	No	300FM	6 Rotating General	67011

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Abbreviations and other references will be found on pages 283 and 284.

Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
PENNSYLVANIA—Continued										
Wilkes-Barre General Hospital +1 ..... N. River and Auburn Sts., Wilkes-Barre	NPCorp	376	10,393	Req	30	12	No	200FM	10 Rotating General	67111
Columbia Hospital +1 ..... 312 Penn Ave., Wilkinsburg	NPCorp	191	6,676	Req	40	12	No	250FM	6 Rotating General	67211
Divine Providence Hospital 1-3 ..... 1100 Grampian Blvd., Williamsport	ChurchRel	185	5,766	Req	88	12	No	200FM	4 Rotating General	91311
Williamsport Hospital +1 ..... 777 Rural Ave., Williamsport 20	NPCorp	290	8,250	Req	39	12	No	200FM	8 Rotating General	67311
York Hospital +1 ..... S. George St. and Rathton Rd., York	NPCorp	344	11,418	Req	36	12	No	200FM	8 Rotating General	67411
RHODE ISLAND—Hospitals, 6; Internships, 60										
Newport Hospital +1-3 ..... Friendship St., Newport	NPCorp	181	5,249	Req	33	12	271	100-150FM	6 Rotating General	67511
Memorial Hospital +1-3 ..... Prospect St., Pawtucket	NPCorp	214	7,976	Req	39	12	No	200FM	8 Rotating General	67611
Miriam Hospital +1-3 ..... 164 Summit Ave., Providence 6	NPCorp	150	5,166	Req	29	12	No	200FM	8 Rotating General	95311
Rhode Island Hospital +1-3-4 ..... 593 Eddy St., Providence 2	NPCorp	600	15,337	Req	49	24	272	75FM	18 Rotating General	67711
Roger Williams General Hospital +1-3 ..... 825 Chalkstone Ave., Providence 8	NPCorp	210	7,371	Req	30	12	No	200FM	8 Rotating General	67811
St. Joseph's Hospital 1-3 ..... 21 Peace St., Providence 7	ChurchOpr	310	8,010	Req	26	12	273	100-150FM	12 Rotating General	67911
SOUTH CAROLINA—Hospitals, 6; Internships, 90										
Roper Hospital +1-3-X71 ..... 300 Calhoun St., Charleston 16	NPCorp	450	13,134	Req	42	12	No	125FM	21 Rotating General	68011
Columbia Hospital of Richland County +1-3 ..... 2020 Hampton St., Columbia 4	County	440	13,690	Req	31	12	No	150FM	18 Rotating General	68111
McLeod Infirmary +1-3 ..... 121 W. Cheves St., Florence	NPCorp	202	8,348	Req	33	12	No	200FM	6 Rotating General	68211
Greenville General Hospital +1-3-4 ..... 100 Mallard St., Greenville	CyCo	540	16,433	Req	42	12	No	100FM	24 Rotating General	68311
Orangeburg Regional Hospital +3 ..... 550 Carolina Ave., N.E., Orangeburg	City	161	6,798	Req	33	12	No	150FM	6 Rotating General	68411
Spartanburg General Hospital + ... 855 N. Church St., Spartanburg	County	370	14,790	Req	29	12	No	150FM	15 Rotating General	68511
SOUTH DAKOTA—Hospitals, 3; Internships, 24										
McKennan Hospital 1-3-X72 ..... 800 E. 21st St., Sioux Falls	ChurchOpr	196	7,269	None	35	12	No	150FM	7 Rotating General	68611
Sioux Valley Hospital 1-3-X72 ..... 1123 S. Euclid Ave., Sioux Falls	NPCorp	190	9,202	None	32	12	274	150FM	10 Rotating General	68711
Sacred Heart Hospital +1-3-X72 ..... W. 4th St., Yankton	ChurchRel	220	5,829	Req	42	12	No	150FM	7 Rotating General	68811
TENNESSEE—Hospitals, 14; Internships, 222										
Baroness Erlanger Hospital +1-3-4 ..... 261 Wiehl St., Chattanooga 3	CyCo	469	19,374	Req	42	12	No	100FM	12 Rotating General 2 Mixed (Med.-Ob.-Ped.)	68911 68950
*Holston Valley Community Hospital 1 ..... Ravine St., Kingsport	NPCorp	245	11,054	Req	28	12	No	250FM	8 Rotating General	.....
East Tennessee Baptist Hospital +1-3 ..... Blount Ave., Knoxville 10	ChurchRel	254	11,010	Req	33	12	275	250FM	12 Rotating General	69011
Fort Sanders Presbyterian Hospital 1-3 ..... 1909 W. Clinch Ave., Knoxville 16	NPCorp	189	8,277	Req	31	12	276	250FM	8 Rotating General	69111
*Knoxville General Hospital +1-4 ..... Cleveland Pl., Knoxville 17	City	285	7,115	Req	30	12	No	128PM	12 Rotating General	.....
St. Mary's Memorial Hospital +1-3 ..... Oak Hill Ave., Knoxville 17	ChurchRel	285	10,588	Req	36	12	275	250PM	12 Rotating General	69311
Baptist Memorial Hospital +1-3 ..... 899 Madison Ave., Memphis 3	ChurchRel	545	22,629	Req	35	12	277	75-100FM	26 Rotating General 1 Straight Medicine 2 Straight Surgery	69411 69432 69433
*John Gaston Hospital +1-3-4-X73 ..... 860 Madison Ave., Memphis 3	City	575	21,225	....	55	12	No	85FM	36 Rotating General	.....
Methodist Hospital + ... 1265 Union Ave., Memphis 4	ChurchOpr	278	13,989	Req	28	12	278	75FM	12 Rotating General	69611
St. Joseph Hospital +1-3 ..... 264 Jackson Ave., Memphis 7	ChurchRel	280	12,070	Req	44	12	No	75-100FM	12 Rotating General	69711
Baptist Hospital +1-3 ..... 2000 Church St., Nashville 3	ChurchOpr	242	11,527	Req	41	12	No	150FM	12 Rotating General	69911
George W. Hubbard Hospital +1-3-4-X74 ..... 7005 18th Ave., N., Nashville 8	ChurchRel	197	4,897	Req	44	12	No	100FM	12 Rotating General	69811
St. Thomas Hospital +1-3 ..... 2000 Hayes St., Nashville 4	ChurchRel	240	9,965	Req	32	12	No	175FM	6 Rotating General 2 Straight Medicine 2 Straight Surgery 1 Straight Pediatrics	70111 70132 70133 70134
Vanderbilt University Hospital +1-3-X75 ..... 21st Ave. S., at Edgehill, Nashville 5	NPCorp	376	11,051	Req	52	12	No	25FM	10 Straight Medicine 8 Straight Surgery 7 Straight Pediatrics 4 Straight Ob.-Gyn. 3 Straight Pathology	70232 70233 70234 70235 70236
TEXAS—Hospitals, 23; Internships, 344										
Brackenridge Hospital +1-X77 ..... 15th St. and East Ave., Austin 1	City	200	7,348	Req	33	12	No	150FM	10 Rotating General	70411
Memorial Hospital 1-3 ..... 2606 Hospital Blvd., Corpus Christi	CyCo	224	8,645	Req	39	12	279	100-125FM	5 Rotating General	70511
Baylor University Hospital +1-3-X76 ..... 3500 Gaston Ave., Dallas 4	ChurchOpr	600	27,669	Req	37	12	280	90FM	28 Rotating General 1 Straight Medicine 1 Straight Surgery	70611 70632 70633
Children's Medical Center +1-4-X76 ..... 2300 Welborn St., Dallas 19	NPCorp	154	3,495	Req	59	12	No	50FM	6 Straight Pediatrics	95511
Methodist Hospital +1-3-X76 ..... 301 W. Colorado Blvd., Dallas 8	ChurchOpr	288	15,425	Req	27	12	No	100FM	12 Rotating General	70711
Parkland Memorial Hospital +1-3-4-X76 ..... 5201 Harry Hines Blvd., Dallas 19	CyCo	588	10,332	Req	56	12	No	25FM	24 Rotating General 12 Straight Medicine	70811 70832
St. Paul's Hospital +1-3-X76 ..... 3121 Bryan St., Dallas 1	ChurchRel	440	17,171	Req	50	12	No	100-150FM	14 Rotating General 1 Straight Medicine	70911 70932

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
TEXAS—Continued										
El Paso General Hospital 4815 Alameda Ave., El Paso	CyCo	230	3,466	Req	62	12	No	150FM	8 Rotating General	71011
Hotel Dieu, Sisters' Hospital [1-3] 1014 N. Stanton St., El Paso	ChurchRel	201	6,942	Req	33	12	No	150FM	6 Rotating General	95411
Harris Hospital [1-3] 1300 W. Cannon St., Fort Worth 4	ChurchOpr	310	15,061	Req	37	12	No	200FM	16 Rotating General	71211
John Peter Smith Hospital [1-3-4] 1500 S. Main St., Fort Worth 4	CyCo	200	4,863	Req	43	12	No	50FM	13 Rotating General	71111
St. Joseph's Hospital [1-3] 1401 S. Main St., Fort Worth 4	ChurchRel	311	12,787	Req	38	12	No	200FM	12 Rotating General	71311
University of Texas Medical Branch Hospitals [1-3]-X77 8th and Mechanic Sts., Galveston	State	801	12,022	Req	66	12	No	100FM	36 Rotating General	71411
Baylor University College of Medicine Hospitals, Houston										
Jefferson Davis Hospital [1-4]-X78 1801 Buffalo Dr., Houston 3	CyCo	490	14,359	Req	55	12	281	50FM	30 Rotating General 4 Straight Medicine 4 Straight Surgery 4 Straight Pediatrics	71611 71632 71633 71634
Methodist Hospital [1-3]-X78 6516 Bertner Ave., Houston 25	ChurchOpr	285	13,367	Req	58	12	282	75PM	8 Rotating General 2 StraightMedicine 2 Straight Surgery	71711 71732 71733
Hermann Hospital [1]-X78 1203 Ross Sterling Ave., Houston 25	NPCorp	625	26,313	Req	42	12	No	75FM	17 Rotating General	71511
St. Joseph's Hospital [1]-x78 1910 Crawford St., Houston 3	ChurchRel	430	24,050	Req	43	12	No	100-200FM	6 Rotating General	71811
Baptist Memorial Hospital [1-3]-x77 215 Camden St., San Antonio 2	ChurchRel	278	14,777	Req	34	12	No	100-150FM	8 Rotating General	72111
Robert B. Green Memorial Hospital [1-3-4]-x77 515 Morales St., San Antonio 7	CyCo	311	5,397	Req	44	12	No	100FM	20 Rotating General	72211
Santa Rosa Hospital [1-3] 745 W. Houston St., San Antonio 7	ChurchRel	315	13,585	Req	42	12	No	150FM	14 Rotating General	72311
Kings Daughters Hospital [1-3-4] 302 S. 22nd St., Temple	NPCorp	110	2,571	Req	25	12	No	150FM	4 Rotating General	72411
Scott and White Memorial Hospitals [1-3-4] 213 W. Ave. G, Temple	NPCorp	211	7,361	Req	45	12	283	150FM	12 Rotating General	72511
Providence Hospital [1-3] 1725 Colcord Ave., Waco	ChurchRel	205	6,121	Req	30	12	No	150FM	4 Rotating General	88811
UTAH—Hospitals, 6; Internships, 65										
St. Benedict's Hospital [1-3] 3000 Polk Ave., Ogden	ChurchRel	170	6,018	Req	48	12-24	No	150FM	6 Rotating General	72711
Thomas D. Dee Memorial Hospital [1-3] 2440 Harrison Blvd., Ogden	ChurchOpr	220	9,517	Req	43	12	No	150-175PM	12 Rotating General	72811
Dr. W. H. Groves Latter-Day Saints Hosp. [1-3] 325 8th Ave., Salt Lake City 3	ChurchOpr	347	17,150	Req	35	12	No	150-175PM	16 Rotating General	72911
Holy Cross Hospital [1-3]-x79 1045 E. 1st South St., Salt Lake City 2	ChurchRel	189	8,863	Req	57	12	No	150FM	6 Rotating General	73011
St. Mark's Hospital [1-3]-x79 803 N. 2nd West St., Salt Lake City 3	NPCorp	250	10,115	Req	34	12	No	150FM	6 Rotating General	73111
Salt Lake County General Hospital [1-3]-X79 2033 S. State St., Salt Lake City 15	County	249	3,972	Req	71	12	284	100FM	12 Rotating General 4 Straight Medicine 3 Straight Pediatrics	73211 73232 73234
VERMONT—Hospitals, 2; Internships, 22										
Bishop DeGoesbriand Hospital [1-3]-X80 1 S. Prospect St., Burlington	ChurchRel	200	5,896	Req	39	12	No	100FM	10 Rotating General	73411
Mary Fletcher Hospital [1-3-4]-X80 Colchester Ave., Burlington	NPCorp	218	6,950	Req	77	12	No	50FM	12 Rotating General	73511
VIRGINIA—Hospitals, 16; Internships, 172										
Alexandria Hospital [1-3] 709 Duke St., Alexandria	NPCorp	189	8,282	Req	37	12	No	125FM	8 Rotating General	73611
University of Virginia Hospital [1-3]-X81 Charlottesville	State	477	14,419	Req	48	12	285	50FM	12 Rotating General 12 Straight Medicine 8 Straight Surgery	73711 73732 73733
Chesapeake and Ohio Hospital [1-3] Ridgeway St., Clifton Forge	NPCorp	155	6,751	Req	44	12	No	135FM	4 Straight Medicine	89232
Memorial Hospital [1-3] 142 S. Main St., Danville	NPCorp	275	8,600	Req	48	12	No	150FM	6 Rotating General	89311
Lynchburg General Hospital [1-3] 701 Hollins St., Lynchburg	City	155	6,067	Req	35	12	286	125FM	2 Rotating General	73811
Mary Immaculate Hospital [3] Blair and Buxton Aves., Newport News	ChurchRel	150	5,256	Req	42	12	No	150FM	5 Rotating General	89411
Riverside Hospital [1-3] 245 50th St., Newport News	NPCorp	212	9,897	None	38	12	No	200FM	4 Rotating General 1 Rot. (Medical Major) 1 Rot. (Surgical Major) 1 Rot. (Ped. Major) 1 Rot. (Ob.-Gyn. Major)	73911 73912 73913 73914 73915
De Paul Hospital [1-3] Kingsley Rd. and Granby St., Norfolk 5	ChurchRel	259	11,250	Req	49	12	No	150FM	10 Rotating General	74011
Norfolk General Hospital [1-3] Raleigh and Colley Aves., Norfolk 7	NPCorp	316	11,552	Req	64	12	No	100-160FM	12 Rotating General 1 Rot. (Medical Major) 1 Rot. (Surgical Major) 1 Rot. (Ped. Major) 1 Rot. (Ob.-Gyn. Major)	74111 74112 74113 74114 74115

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Name of Hospital and Location	Control	Total Beds	Number of Patients Admitted	Outpatient Service	Autopsy Percentage	Length of Program (Months)	Affiliated Service	Beginning Stipend (Month)	Number and Type of Internships	Code Number
VIRGINIA—Continued										
Johnston-Willis Hospital +1-3 2908 Kensington Ave., Richmond 21	Corp	225	7,762	Req	52	12	287	200FM	12 Rotating General	74211
Medical College of Virginia, Hosp. Div. +1-3-4-X82 (Memorial, Dooley and St. Philip Hospitals) 1200 E. Broad St., Richmond 19	State	885	24,803	Req	39	12	288	50FM	28 Rotating General 2 Straight Medicine 2 Straight Surgery	74311 74332 74333
Jefferson Hospital +1-3 1313 Franklin Rd., S.W., Roanoke 16	Corp	141	5,632	Req	43	12	No	150FM	4 Mixed (Surg.-Med.-Ob.)	74009
Lewis Gale Hospital +1-3 3rd St. and Luck Ave., S.W., Roanoke 11	Corp	180	6,618	Req	44	12	No	200FM	6 Rotating General	74711
Roanoke Memorial Hospital 1-3 Belleview and Lake Aves., Roanoke 14	NPCorp	154	4,677	Req	42	12	No	150FM	8 Rotating General	74811
Louise Obici Memorial Hospital +1-3 Suffolk	NPCorp	151	4,352	Req	37	12	No	175FM	3 Rotating General	99811
Winchester Memorial Hospital 1 S. Stewart St., Winchester	NPCorp	254	7,550	None	40	12	No	100FM	6 Rotating General	74911
WASHINGTON—Hospitals, 12; Internships, 145										
Doctors Hospital +1-3-X83 909 University St., Seattle 1	NPCorp	187	8,651	None	58	12	289	75FM	8 Rotating General	75111
King County Hospital +1-4-X83 Unit No. 1 (Harborview) 325 9th Ave., Seattle 4	County	475	11,842	Req	67	12	No	75-85FM	30 Rotating General 4 Straight Medicine	75211 75232
Providence Hospital +1-X83 17th and E. Jefferson Sts., Seattle 22	ChurchOpr	355	13,798	Req	57	12	No	140-175FM	16 Rotating General	75311
Seattle General Hospital 1-3 5th Ave. and Marion St., Seattle 4	NPCorp	116	4,941	Req	41	12	289	150FM	5 Rotating General	75411
Swedish Hospital +1-X83 803 Summit Ave., Seattle 4	NPCorp	330	14,751	Req	52	12	289	75FM	16 Rotating General	75511
Virginia Mason Hospital +1-3-X83 1101 Terry Ave., Seattle 1	NPCorp	210	10,060	Req	70	12	289	75FM	10 Rotating General	75611
Deaconess Hospital +1-3 W. 733 4th Ave., Spokane 4	ChurchOpr	200	9,714	Req	50	12	No	200FM	10 Rotating General	75711
Sacred Heart Hospital +1-3 101 8th Ave., Spokane 4	ChurchRel	482	21,356	Req	35	12	No	200FM	12 Rotating General	75811
St. Luke's Hospital +1-3 830 N. Summit Blvd., Spokane 11	NPCorp	267	7,111	Req	53	12	290	125FM	8 Rotating General	75911
Pierce County Hospital 1-4 3582 Pacific Ave., Tacoma 8	County	220	4,381	Req	36	12	291	200FM	10 Rotating General	76011
St. Joseph Hospital +1-3 1812 S. Eye St., Tacoma 5	ChurchRel	218	8,262	Req	46	12	No	150FM	6 Rotating General	76111
Tacoma General Hospital +1-3 315 S. K St., Tacoma 5	NPCorp	225	9,943	Req	40	12	No	150-250FM	10 Rotating General	76211
WEST VIRGINIA—Hospitals, 7; Internships, 49										
Charleston General Hospital +1-3 Brooks St. and Elmwood Ave., Charleston 25	NPCorp	240	8,591	Req	44	12	No	200FM	10 Rotating General	76411
Kanawha Valley Hospital +1-3 1014 Virginia St., E., Charleston 1	Corp	153	5,040	Req	29	12	No	130FM	4 Rotating General	76511
Memorial Hospital +1-3 3200 Noyes Ave., S.E., Charleston	NPCorp	230	9,189	Req	55	12	No	200FM	8 Rotating General	90211
St. Mary's Hospital +1-3 2900 1st Ave., Huntington 2	ChurchOpr	300	13,391	Req	34	12	No	130-180FM	10 Rotating General	76611
Camden-Clark Memorial Hospital +1-3 717 Ann St., Parkersburg	City	160	6,327	Req	28	12	No	150FM	3 Rotating General	76711
St. Joseph's Hospital 3 1801 Market St., Parkersburg	ChurchRel	195	6,946	Req	26	12	No	150FM	4 Rotating General	94411
Ohio Valley General Hospital +1-3 200 Eoff St., Wheeling	NPCorp	319	10,534	Req	34	12	No	250	10 Rotating General	76911
WISCONSIN—Hospitals, 22; Internships, 220										
Luther Hospital 1-3 310 Chestnut St., Eau Claire	NPCorp	240	7,209	Req	36	12	No	200FM	6 Rotating General	77111
Mercy Hospital +1-3 566 N. Washington St., Janesville	ChurchRel	196	5,878	None	38	12	No	150FM	5 Rotating General	77311
La Crosse Lutheran Hospital +1-3 1910 South Ave., La Crosse	ChurchRel	260	5,370	Req	51	12	No	150FM	4 Rotating General	77411
St. Francis Hospital 1-3 709 S. 10th St., La Crosse	ChurchRel	270	9,842	Req	40	12	No	200FM	8 Rotating General	77511
Madison General Hospital +1-3 925 Mound St., Madison 5	NPCorp	348	9,663	None	54	12	No	127-202FM	12 Rotating General	77611
Methodist Hospital +1-3 309 W. Washington Ave., Madison 3	ChurchRel	143	5,088	Req	48	12	No	150FM	4 Rotating General	77711
St. Mary's Hospital 1-3 720 S. Brooks St., Madison 5	ChurchRel	240	9,550	Req	39	12	No	125-200FM	10 Rotating General	77811
University Hospitals +1-3-X84 1300 University Ave., Madison 6	State	900	14,543	Req	74	12	292	50FM	25 Rotating General	77911
St. Joseph's Hospital +1 611 St. Joseph's Ave., Marshfield	ChurchOpr	250	9,047	Req	43	12	No	250FM	7 Rotating General	78011
Columbia Hospital +1-3 3321 N. Maryland Ave., Milwaukee 11	NPCorp	250	7,153	Req	64	12	293	170PM	10 Rotating General	78111
Evangelical Deaconess Hospital +1-3 1821 W. Wisconsin Ave., Milwaukee 3	ChurchRel	137	7,143	Req	54	12	294	200FM	8 Rotating General	78211
Milwaukee Children's Hospital +1-3-4-X85 721 N. 17th St., Milwaukee 3	NPCorp	160	5,814	Req	83	12	295	125FM	2 Straight Pediatrics	78334

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WISCONSIN—Continued										
Milwaukee County Hospital +1-3-4-X85 8700 W. Wisconsin Ave., Milwaukee 13	County	900	22,839	Req	28	12	No	144PM	40 Rotating General	78411
Milwaukee Hospital +1-3-x85 2200 W. Kilborn Ave., Milwaukee 3	ChurchRel	337	10,757	Req	65	12	296	170PM	9 Rotating General	78511
Misericordia Hospital 3 1255 N. 22nd St., Milwaukee 5	ChurchOpr	175	6,890	Req	47	12	No	200FM	6 Rotating General	89711
Mount Sinai Hospital +1-3 908 N. 12th St., Milwaukee 3	NPCorp	184	8,792	Req	40	12	294	200FM	9 Rotating General	78711
St. Joseph's Hospital +1-x85 5000 W. Chambers St., Milwaukee 10	ChurchOpr	371	15,192	Req	54	12	No	125FM	16 Rotating General	78811
St. Luke's Hospital +1-3 2900 W. Oklahoma Ave., Milwaukee 15	NPCorp	299	12,312	....	44	12	297	200FM	15 Rotating General	78911
St. Mary's Hospital + 2320 N. Lake Dr., Milwaukee 11	ChurchRel	200	8,267	Req	52	12	298	150FM	10 Rotating General	79011
St. Michael Hospital +1-3 1845 N. 4th St., Milwaukee 12	ChurchRel	136	5,131	Req	32	12	299	150FM	6 Rotating General	79111
Mercy Hospital 1 185 Hazel St., Oshkosh	ChurchRel	217	7,113	None	27	12	No	250PM	4 Rotating General	79311
St. Mary's Hospital 1-3 Maple Hill, Wausau	ChurchRel	230	8,967	Req	45	12	300	200FM	4 Rotating General	79511
CANAL ZONE—Hospitals, 1; Internships, 18										
Gorgas Hospital +1-3 Ancon Personnel Director, Panama Canal Company, Balboa Heights	Fed	467	5,986	Req	85	12	No	$140.80 US citizens (annual) 2516.80 alien citizens (annual)	18 Rotating General	80611
HAWAII—Hospitals, 3; Internships, 30										
Kuakini Hospital 1-3 347 N. Kuakini St., Honolulu 17	NPCorp	135	6,012	Req	40	12	301	75FM	8 Rotating General	80711
Queen's Hospital +1-3 1301 Punchbowl St., Honolulu 9	NPCorp	350	13,805	Req	75	12	No	75FM	13 Rotating General	80811
St. Francis Hospital +1-3 2260 Liliha St., Honolulu 17	ChurchRel	226	8,448	Req	51	12	No	75FM	9 Rotating General	80911
PUERTO RICO—Hospitals, 7; Internships, 78										
*Arecibo District Hospital 1-3 Lares Rd., Arecibo	State	298	5,602	Req	78	12	No	75FM	10 Rotating General	.....
*Bayamon District Hospital +1-3-x86 Insular Highway No. 2, Bayamon	State	266	6,850	Req	69	12	No	127FM	16 Rotating General	.....
*Fajardo District Hospital 1-3 General Valero Ave., Fajardo	State	298	4,948	Req	53	12	108	75FM	12 Rotating General	.....
*Hospital de Damas 1-3 Concordia St., Ponce	ChurchRel	153	4,986	Req	55	12	No	100FM	6 Rotating General	.....
*Presbyterian Hospital 1-3-x86 Ashford Ave., San Juan	ChurchRel	130	3,938	Req	27	12	No	60FM	6 Rotating General	.....
*Rio Piedras Municipal Hospital 1-3 Pinero, San Juan	City	196	6,300	Req	28	12	No	75FM	12 Rotating General	.....
*San Juan City Hospital +1-3-X86 De Diego Ave., San Juan	City	340	9,126	Req	30	12	No	75FM	16 Rotating General	.....

Hospitals designated with an asterisk (*) in this listing do not participate in the National Intern Matching Program, sponsored by the American Medical Association, the American Hospital Association, the Association of American Medical Colleges, and other cooperating organizations.
Abbreviations and other references will be found on pages 283 and 284.

HOSPITALS APPROVED FOR INTERNSHIPS IN THE DOMINION OF CANADA

The following list of hospitals that conform to the standards of the Canadian Medical Association is published for the information of graduates interested in an internship appointment in a Canadian hospital. Hospitals that are unqualifiedly approved as conforming to the standards of the Canadian Medical Association may be considered as offering internships equivalent in educational value to those in hospitals approved for intern training by the Council.

This list, revised to Sept. 1, 1955, was furnished by the Canadian Medical Association.

Name of Hospital	Location
St. John's General Hospital	St. John's, Nfld.
Camp Hill Hospital	Halifax, N. S.
Halifax Infirmary	Halifax, N. S.
Victoria General Hospital	Halifax, N. S.
Moncton Hospital	Moncton, N. B.
Saint John General Hospital	Saint John, N. B.
Hotel-Dieu St.-Vallier	Chicoutimi, Que.
Children's Memorial Hospital	Montreal, Que.
Herbert Reddy Memorial Hosp.	Montreal, Que.
Hospital Sainte-Jeanne-d'Arc	Montreal, Que.
Hospital Sainte-Justine	Montreal, Que.
Hospital Saint-Luc	Montreal, Que.
Hotel Dieu de Montreal	Montreal, Que.
Jewish General Hospital	Montreal, Que.
Montreal General Hospital	Montreal, Que.
Notre-Dame Hospital	Montreal, Que.
Queen Elizabeth Hospital	Montreal, Que.
Queen Mary Veteran's Hospital	Montreal, Que.
Royal Victoria Hospital	Montreal, Que.
St. Mary's Hospital	Montreal, Que.
Hospital de l'Enfant Jesus	Quebec, Que.
Jeffery Hale's Hospital	Quebec, Que.
L'Hotel-Dieu, Quebec	Quebec, Que.
Saint-Sacrement Hospital	Quebec, Que.
Veteran's Hospital	Quebec, Que.
Ste. Anne's Hospital	Ste. Anne de Bellevue, Que.
Sherbrooke Hospital	Sherbrooke, Que.
Hospital General de Verdun	Verdun, Que.
Brantford General Hospital	Brantford, Ont.
McKellar General Hospital	Fort William, Ont.
Hamilton General Hospital	Hamilton, Ont.
St. Joseph's Hospital	Hamilton, Ont.
Hotel Dieu Hospital	Kingston, Ont.
Kingston General Hospital	Kingston, Ont.
Kitchener-Waterloo Hospital	Kitchener, Ont.
St. Joseph's Hospital	London, Ont.
Victoria Hospital	London, Ont.
Westminster Hospital	London, Ont.
Oshawa General Hospital	Oshawa, Ont.
Ottawa Civic Hospital	Ottawa, Ont.
Ottawa General Hospital	Ottawa, Ont.
Peterborough Civic Hosp.	Peterborough, Ont.
General Hosp. of Port Arthur	Port Arthur, Ont.
St. Catharines Gen. Hosp.	St. Catharines, Ont.
Hospital for Sick Children	Toronto, Ont.
Mount Sinai Hospital	Toronto, Ont.
St. Joseph's Hospital	Toronto, Ont.
St. Michael's Hospital	Toronto, Ont.
Sunnybrook Veterans' Hospital	Toronto, Ont.
Toronto East General Hospital	Toronto, Ont.
Toronto General Hospital	Toronto, Ont.
Toronto Western Hospital	Toronto, Ont.
Women's College Hospital	Toronto, Ont.
Grace Hospital	Windsor, Ont.
Hotel Dieu of St. Joseph	Windsor, Ont.
Metropolitan Hospital	Windsor, Ont.
St. Boniface General Hosp.	St. Boniface, Man.
Children's Hospital	Winnipeg, Man.
Deer Lodge Hospital	Winnipeg, Man.
Misericordia Hospital	Winnipeg, Man.
Winnipeg General Hospital	Winnipeg, Man.
Regina General Hospital	Regina, Sask.
Regina Grey Nuns' Hospital	Regina, Sask.
St. Paul's Hospital	Saskatoon, Sask.
Saskatoon City Hospital	Saskatoon, Sask.
Calgary General Hospital	Calgary, Alta.
Colonel Belcher Hospital	Calgary, Alta.
Holy Cross Hospital	Calgary, Alta.
Edmonton General Hospital	Edmonton, Alta.
Misericordia Hospital	Edmonton, Alta.
Royal Alexandra Hospital	Edmonton, Alta.
University of Alberta Hospital	Edmonton, Alta.
Royal Columbian Hosp.	New Westminster, B. C.
St. Paul's Hospital	Vancouver, B. C.
Shaughnessy Hospital	Vancouver, B. C.
Vancouver General Hospital	Vancouver, B. C.
Royal Jubilee Hospital	Victoria, B. C.
St. Joseph's Hospital	Victoria, B. C.
Veterans' Hospital	Victoria, B. C.

ABBREVIATIONS AND NOTES

1. Appointments available to women applicants
2. Appointments restricted to women applicants
3. Appointments available to graduates of foreign medical schools. Details regarding requirements for appointment can be secured from the hospitals concerned.
4. Dental internships available
5. Available to citizens of the United States only
6. General Practice internships

+ The plus sign indicates additional approval for residencies in specialties, as shown in the Council's list of Approved Residencies and Fellowships.

ChurchRel	Church Related		Req	Required
ChurchOpr	Church Operated		FM	Full maintenance
CyCo	City and County		PM	Partial maintenance
Corp	Corporation unrestricted as to profit			
NPCorp	Nonprofit corporation			
Part	Partnership			

Medical School Affiliations

Footnotes 10 to 88 refer to medical schools affiliated with hospitals for undergraduate clinical clerkships.

Hospitals have been identified with symbol **X** when a medical school has indicated that the hospital is a major unit in the school's teaching program. Hospitals have been identified with symbol **x** when a medical school has indicated that the hospital is used to a limited extent in the school's teaching program.

10. Medical College of Alabama, Birmingham, Ala.
11. University of Arkansas School of Medicine, Little Rock, Ark.
12. College of Medical Evangelists School of Medicine, Loma Linda, Los Angeles, Calif.
13. University of California at Los Angeles School of Medicine, Los Angeles, Calif.
14. University of Southern California School of Medicine, Los Angeles, Calif.
15. Stanford University School of Medicine, San Francisco, Calif.
16. University of California School of Medicine, San Francisco, Calif.
17. University of Colorado School of Medicine, Denver, Colo.
18. Yale University School of Medicine, New Haven, Conn.
19. Georgetown University School of Medicine, Washington, D. C.
20. George Washington University School of Medicine, Washington, D. C.
21. Howard University College of Medicine, Washington, D. C.
22. Emory University School of Medicine, Atlanta (Emory University), Ga.
23. Medical College of Georgia, Augusta, Ga.
24. Chicago Medical School, Chicago, Ill.
25. Northwestern University Medical School, Chicago, Ill.
26. Stritch School of Medicine of Loyola University, Chicago, Ill.
27. University of Chicago, the School of Medicine, Chicago, Ill.
28. University of Illinois College of Medicine, Chicago, Ill.
29. Indiana University School of Medicine, Bloomington-Indianapolis, Ind.
30. State University of Iowa College of Medicine, Iowa City, Iowa
31. University of Kansas School of Medicine, Lawrence-Kansas City, Kan.
32. University of Louisville School of Medicine, Louisville, Ky.
33. Louisiana State University School of Medicine, New Orleans, La.
34. Tulane University of Louisiana School of Medicine, New Orleans, La.
35. Johns Hopkins University School of Medicine, Baltimore, Md.
36. University of Maryland School of Medicine and College of Physicians and Surgeons, Baltimore, Md.
37. Boston University School of Medicine, Boston, Mass.
38. Harvard Medical School, Boston, Mass.
39. Tufts College Medical School, Boston, Mass.
40. University of Michigan Medical School, Ann Arbor, Mich.
41. Wayne University College of Medicine, Detroit, Mich.
42. University of Minnesota Medical School, Minneapolis, Minn.
43. St. Louis University School of Medicine, St. Louis, Mo.
44. Washington University School of Medicine, St. Louis, Mo.
45. Creighton University School of Medicine, Omaha, Neb.
46. University of Nebraska College of Medicine, Omaha, Neb.
47. Dartmouth Medical School, Hanover, N. H.
48. Albany Medical College, Albany, N. Y.
49. University of Buffalo School of Medicine, Buffalo, N. Y.
50. Columbia University College of Physicians and Surgeons, New York, N. Y.
51. Cornell University Medical College, New York, N. Y.
52. New York Medical College, Flower and Fifth Avenue Hospitals, New York, N. Y.
53. New York University College of Medicine, New York, N. Y.
54. State University of New York College of Medicine, New York, N. Y.
55. University of Rochester School of Medicine and Dentistry, Rochester, N. Y.
56. State University of New York Upstate Medical Center, Syracuse, N. Y.
57. University of North Carolina School of Medicine, Chapel Hill, N. C.
58. Duke University School of Medicine, Durham, N. C.
59. Bowman Gray School of Medicine of Wake Forest College, Winston-Salem, N. C.
60. University of Cincinnati College of Medicine, Cincinnati, Ohio
61. Western Reserve University School of Medicine, Cleveland, Ohio
62. Ohio State University College of Medicine, Columbus, Ohio
63. University of Oklahoma School of Medicine, Oklahoma City, Okla.
64. University of Oregon Medical School, Portland, Ore.
65. Hahnemann Medical College and Hospital, Philadelphia, Pa.
66. Jefferson Medical College, Philadelphia, Pa.
67. Temple University School of Medicine, Philadelphia, Pa.
68. University of Pennsylvania School of Medicine, Philadelphia, Pa.
69. Woman's Medical College of Pennsylvania, Philadelphia, Pa.
70. University of Pittsburgh School of Medicine, Pittsburgh, Pa.
71. Medical College of the State of South Carolina, Charleston, S. C.
72. University of South Dakota School of Medicine, Vermillion, S. D.
73. University of Tennessee College of Medicine, Memphis, Tenn.
74. Meharry Medical College, Nashville, Tenn.
75. Vanderbilt University School of Medicine, Nashville, Tenn.
76. Southwestern Medical School of the University of Texas, Dallas, Texas
77. University of Texas School of Medicine, Galveston, Texas
78. Baylor University College of Medicine, Houston, Texas
79. University of Utah School of Medicine, Salt Lake City, Utah
80. University of Vermont College of Medicine, Burlington, Vt.
81. University of Virginia School of Medicine, Charlottesville, Va.
82. Medical College of Virginia, Richmond, Va.
83. University of Washington School of Medicine, Seattle, Wash.
84. University of Wisconsin Medical School, Madison, Wis.
85. Marquette University School of Medicine, Milwaukee, Wis.
86. University of Puerto Rico School of Medicine, San Juan, Puerto Rico
87. University of Miami School of Medicine, Miami, Fla.
88. Albert Einstein College of Medicine, New York, N. Y.

Affiliations as Referred to in Column Headed: "Affiliated Service"

100. Presbyterian Hospital, Philadelphia; U. S. Army Hospital, Fort Dix, N. J.
101. St. Joseph's Hospital, Children's Hospital, San Francisco
102. Charity Hospital of Louisiana, New Orleans
103. University Hospital, Baltimore
104. Misericordia Hospital, Lenox Hill Hospital, St. Vincent's Hospital, New York City; Jewish Hospital, Brooklyn, N. Y.; St. Michael's Hospital, Newark, N. J.; Jersey City Medical Center, Jersey City, N. J.
105. U. S. Naval Hospital, Portsmouth, Va.
106. Children's Orthopedic Hospital, Seattle, pediatrics; U. S. Army Hospital, Seattle, obstetrics-gynecology
107. District of Columbia General Hospital, Washington, D. C.
108. Bayamon District Hospital, Bayamon, P. R.
109. Los Angeles County Hospital, Los Angeles, obstetrics; Harbor General Hospital, Torrence, Calif., pediatrics
110. Los Angeles County Hospital, Los Angeles; St. John's Hospital, Santa Monica, Calif.
111. Emory University Hospital, Emory University, Ga.; Grady Memorial Hospital, Atlanta, Ga.
112. University of Oklahoma Hospitals, Mercy Hospital, Oklahoma City
113. Children's Hospital, Baylor University Hospital, Dallas, Texas
114. Jefferson Davis Hospital, Houston, Texas
115. Parkland Memorial Hospital, Children's Medical Center, Dallas, Texas
116. Salt Lake County General Hospital, Salt Lake City
117. Children's Hospital, Birmingham, Ala.
118. Crippled Children's Clinic and Hospital, Children's Hospital, Birmingham, Ala., pediatrics
119. Maricopa County General Hospital, Phoenix, Ariz.
120. Pima County General Hospital, Tucson, Ariz.
121. Arkansas Children's Home and Hospital, Little Rock, Ark., pediatrics
122. Veterans Administration Hospital, Little Rock, Ark.
123. Riverside Community Hospital, Riverside, Calif.
124. Los Angeles County Hospital, Los Angeles
125. Santa Monica Hospital, Santa Monica, Calif.
126. Presbyterian Hospital-Olmsted Memorial, Los Angeles, obstetrics
127. Childrens Hospital, Los Angeles
128. Fairmont Hospital of Alameda County, San Leandro, Calif.
129. Kaiser Foundation Hospital, San Francisco
130. Woman's Hospital, Pasadena, Calif.
131. U. S. Naval Hospital, San Diego, Calif., obstetrics, pediatrics
132. Laguna Honda Home, San Francisco; Hassler Health Home, Redwood City, Calif.
133. St. Luke's Hospital, Mary's Help Hospital, Children's Hospital, San Francisco; Southern Pacific Hospital and Sanatorium, Tucson, Ariz.
134. Children's Hospital, San Francisco
135. Santa Barbara General Hospital, Santa Barbara, Calif.
136. University of California Hospital at Los Angeles, pediatrics
137. California Hospital, Los Angeles
138. County of Boulder General Hospital, Boulder, Colo.; Childrens Hospital, Denver
139. Childrens Hospital, Denver
140. St. Luke's Hospital, General Rose Memorial Hospital, Presbyterian Hospital, St. Joseph's Hospital, Denver
141. Hartford Hospital, Hartford, Conn.
142. Southbury Training School, Southbury, Conn., pediatrics
143. St. Luke's Hospital, Brewster Hospital, Jacksonville, Fla.

144. Variety Children's Hospital, Miami, Fla.
145. American Legion Hospital for Crippled Children, St. Petersburg, Fla.
146. St. Mary's Hospital, Athens, Ga.
147. Grady Memorial Hospital, Atlanta, Ga.
148. District of Columbia General Hospital, Children's Hospital, Washington, D. C.
149. Central Dispensary and Emergency Hospital, Children's Hospital, Washington, D. C.
150. Children's Hospital, Washington, D. C., pediatrics
151. Arlington Hospital, Arlington, Va.
152. District of Columbia General Hospital, Washington, D. C., pediatrics
153. Holy Cross Hospital, Chicago; Alexian Brothers Hospital, St. Louis
154. Children's Memorial Hospital, Chicago Maternity Center, Chicago
155. Frank Cuneo Memorial Hospital, Chicago
156. Children's Memorial Hospital, Chicago, pediatrics
157. Women and Children's Hospital, Chicago
158. Lewis Memorial Maternity Hospital, Chicago, obstetrics
159. Mercy Hospital, Chicago
160. Winfield Hospital, Winfield, Ill.
161. Presbyterian Hospital, Municipal Contagious Disease Hospital, Chicago
162. Municipal Contagious Disease Hospital, Chicago
163. Macon County Tuberculosis Sanatorium, City Public Hospital, Decatur, Ill.
164. Indianapolis General Hospital, Indianapolis
165. Healthwin Hospital, South Bend, Ind., tuberculosis
166. Northern Indiana Children's Hospital, South Bend, Ind.
167. Broadlawns Polk County Hospital, Des Moines, Iowa
168. Children's Mercy Hospital, Kansas City, Mo.
169. Sedgwick County Hospital, Wichita, Kan.
170. Childrens Hospital, Louisville, Ky.
171. Jewish Hospital, Childrens Hospital, Louisville, Ky.
172. Louisville General Hospital, Louisville, Ky,
173. St. Joseph Infirmary, Louisville, Ky.
174. Greenwell Springs Tuberculosis Hospital, Greenwell Springs, La.
175. Confederate Memorial Medical Center, Shreveport, La.
176. Union Memorial Hospital, Baltimore
177. Harford Memorial Hospital, Havre de Grace, Md.
178. Johns Hopkins Hospital, Baltimore
179. Children's Hospital, Washington, D. C.
180. Charles V Chapin Hospital, Providence, R. I.
181. St. Margaret's Hospital, Boston
182. Beth Israel Hospital, Boston
183. Haynes Memorial Hospital, Boston
184. Eastern Maine General Hospital, Bangor, Maine; Central Maine General Hospital, Lewiston, Maine; Boston Floating Hospital, Boston
185. Boston Floating Hospital, Boston
186. Robert Breck Brigham Hospital, Boston
187. Boston Lying-in Hospital, Boston
188. Fall River General Hospital, Fall River, Mass.
189. Wesson Maternity Hospital, Springfield, Mass.
190. Cooley Dickinson Hospital, Northampton, Mass.
191. Hurley Hospital, McLaren General Hospital, Flint, Mich.; Beyer Memorial Hospital, Ypsilanti, Mich.; Midland Hospital, Midland, Mich.; Saginaw General Hospital, Saginaw, Mich.
192. Herman Kiefer Hospital, Detroit; Wayne County General Hospital and Infirmary, Eloise, Mich.
193. Receiving Hospital, Children's Hospital, Detroit
194. Harper Hospital, Detroit
195. Herman Kiefer Hospital, Detroit; St. Joseph's Retreat, Dearborn, Mich.
196. Herman Kiefer Hospital, Detroit
197. Children's Hospital, Detroit
198. Woman's Hospital, Herman Kiefer Hospital, Detroit
199. Hurley Hospital, Genesee County Tuberculosis Sanatorium, Flint, Mich.
200. Evangeline Home and Hospital, Grand Rapids, Mich.
201. Ingham Sanatorium, Lansing, Mich., tuberculosis
202. Pontiac State Hospital, Oakland County Tuberculosis Sanatorium, Pontiac, Mich.; Haven Sanitarium, Rochester, Mich.
203. Saginaw County Hospital, Saginaw, Mich., tuberculosis, communicable diseases
204. Miller Memorial Hospital, Duluth, Minn.
205. St. Andrew's Hospital, Minneapolis
206. Minneapolis General Hospital, Minneapolis
207. Children's Hospital, St. Paul; Elizabeth Kenny Institute, Minneapolis
208. Children's Hospital, St. Paul
209. Ancker Hospital, Charles T. Miller Hospital, St. Paul
210. Mississippi State Charity Hospital, Vicksburg, Miss.
211. Children's Mercy Hospital, Kansas City, Mo.
212. St. Louis City Hospital, St. Louis Children's Hospital, St. Louis
213. St. Mary's Infirmary, St. Louis
214. St. Louis Children's Hospital, St. Louis
215. Alexian Brothers Hospital, St. Vincent's Hospital, St. Louis
216. St. Louis Maternity Hospital, St. Louis; St. Louis County Hospital, Clayton, Mo.; Burge Hospital, Springfield, Mo.
217. St. Louis City Hospital, St. Louis
218. Children's Memorial Hospital, Douglas County Hospital, Immanuel Hospital, Omaha
219. Douglas County Hospital, Omaha
220. Children's Memorial Hospital, Bishop Clarkson Memorial Hospital, Douglas County Hospital, Omaha
221. Children's Memorial Hospital, Omaha
222. Douglas County Hospital, Omaha, emergency; St. Bernard's Hospital, Council Bluffs, Iowa, psychiatry
223. Children's Memorial Hospital, Douglas County Hospital, Omaha
224. Children's Seashore Home, Clyde Fish Memorial Hospital, Municipal Hospital, Atlantic City, N. J.; Betty Bacharach Home, Longport, N. J.
225. Jersey City Medical Center, Jersey City, N. J.
226. St. Elizabeth Hospital, Elizabeth, N. J., obstetrics, pediatrics
227. Margaret Hague Maternity Hospital, Jersey City, N. J.
228. New Jersey State Hospital, Greystone Park, N. J.; Shongbum Mountain Sanatorium, Morristown, N. J.; Children's Heart Unit of Victoria Foundation, Morris Plains, N. J.
229. A. N. Brady Hospital, Albany, N. Y., obstetrics
230. Kingston Avenue Hospital, Brooklyn, N. Y., communicable diseases
231. Children's Hospital, Buffalo
232. Children's Hospital, Edward J. Meyer Memorial Hospital, Buffalo
233. Kenmore Mercy Hospital, Buffalo
234. Chemung County Tuberculosis Sanatorium, Elmira, N. Y.
235. Memorial Hospital, New York City
236. University Hospital, New York City
237. Roosevelt Hospital, New York City
238. Jewish Hospital, Brooklyn, N. Y.
239. Lincoln Hospital, New York City, obstetrics
240. Hunterdon Medical Center, Flemington, N. J.
241. Edward J. Meyer Memorial Hospital, Buffalo
242. Strong Memorial Hospital, Rochester, N. Y.
243. Geneva General Hospital, Geneva, N. Y.
244. Genesee Hospital, Highland Hospital, Rochester, N. Y.
245. Asheville Orthopedic Hospital, Asheville, N. C.
246. Watts Hospital, Durham, N. C.; Robeson County Memorial Hospital, Lumberton, N. C.
247. Watts Hospital, Veterans Administration Hospital, Durham, N. C.
248. Children's Hospital, Akron, Ohio, pediatrics
249. Children's Hospital, Cincinnati
250. Daniel Drake Memorial Hospital, Dunham Hospital, Cincinnati
251. Good Samaritan Hospital, Cincinnati
252. Cincinnati General Hospital, Cincinnati
253. City Hospital, Cleveland
254. St. Ann Hospital, Cleveland
255. Children's Hospital, Columbus, Ohio
256. St. Francis Hospital, Columbus Receiving Hospital, Ohio Tuberculosis Hospital, Children's Hospital, Columbus, Ohio
257. Lima State Hospital, Lima, Ohio
258. University Hospitals, Columbus, Ohio
259. Toledo State Hospital, William W. Roche Memorial Hospital, Toledo, Ohio
260. University of Oklahoma Hospitals, Oklahoma City
261. St. Vincent's Hospital, Portland, Ore.
262. Providence Hospital, Portland, Ore.
263. Hospital of the University of Pennsylvania, Philadelphia
264. Hospital of the Woman's Medical College, Philadelphia Psychiatric Hospital, Philadelphia
265. Philadelphia State Hospital, Philadelphia
266. Children's Hospital, Philadelphia, pediatrics
267. St. Christopher's Hospital for Children, Philadelphia, pediatrics
268. Elizabeth Steel Magee Hospital, Children's Hospital, Eye and Ear Hospital, Woman's Hospital, Pittsburgh
269. Wernersville State Hospital, Wernersville, Pa.; Berks County Tuberculosis Sanatorium, Reading, Pa.
270. St. Francis Hospital, Pittsburgh, psychiatry
271. U. S. Naval Hospital, Newport, R. I., pediatrics, obstetrics, outpatient service
272. Charles V. Chapin Hospital, Providence Lying-In Hospital, Providence, R. I.
273. Charles V. Chapin Hospital, Providence, R. I.
274. Veterans Administration Center, Sioux Falls, S. D.
275. Knoxville General Hospital, Knoxville, Tenn.
276. Knoxville General Hospital, East Tennessee Crippled Children's Hospital, Knoxville, Tenn.
277. John Gaston Hospital, Le Bonheur Children's Hospital, Memphis, Tenn.
278. West Tennessee Tuberculosis Hospital, Memphis Eye, Ear, Nose and Throat Hospital, Memphis, Tenn.
279. Driscoll Foundation Children's Hospital, Corpus Christi, Texas
280. Children's Medical Center, Dallas, Texas
281. Methodist Hospital, Texas Children's Hospital, Houston, Texas, straight internships in pediatrics
282. Jefferson Davis Hospital, Texas Children's Hospital, Houston, Texas
283. Gulf, Colorado and Santa Fe Hospital, Temple, Texas
284. Veterans Administration Hospital, Salt Lake City
285. Blue Ridge Sanatorium, Charlottesville, Va.; Kings Daughters Hospital, Staunton, Va., Lynchburg General Hospital, Lynchburg, Va.
286. University of Virginia Hospital, Charlottesville, Va.
287. Medical College of Virginia Hospitals, Richmond, Va.
288. St. Elizabeth's Hospital, St. Luke's Hospital, Stuart Circle Hospital, Richmond, Va.; Northampton-Accomack Memorial Hospital, Nassawadox, Va.; Martha Washington Hospital, Fredericksburg, Va.; Southside Community Hospital, Farmville, Va.; Radford Memorial Hospital, Franklin, Va.
289. Children's Orthopedic Hospital, Seattle.
290. Shriners Hospital for Crippled Children, Spokane, orthopedics; Booth Memorial Hospital, Spokane, obstetrics-gynecology
291. Mountain View Sanatorium, Tacoma, Wash., tuberculosis
292. Chicago Maternity Center, Chicago
293. Milwaukee Children's Hospital, South View Hospital, Milwaukee
294. Milwaukee Children's Hospital, Milwaukee
295. Milwaukee Hospital, South View Hospital, Milwaukee
296. Milwaukee Children's Hospital, South View Hospital, Salvation Army Martha Washington Women's Home and Hospital, Milwaukee
297. Milwaukee Children's Hospital, Milwaukee County Hospital, Milwaukee
298. Milwaukee Children's Hospital, Milwaukee County Emergency Hospital, Milwaukee
299. South View Hospital, Milwaukee, communicable diseases
300. Marathon County General Hospital, Mount View Sanatorium, Wausau, Wis.
301. St. Francis Hospital, Honolulu, Hawaii

APPROVED INTERNSHIPS BY TYPE OF SERVICE

ROTATING GENERAL

Number of Approved Programs, 814

FEDERAL

UNITED STATES ARMY

Letterman Army Hospital..... San Francisco
Fitzsimons Army Hospital..... Denver
Walter Reed Army Hospital (Army Medical Center).... Washington, D. C.
Valley Forge Army Hospital..... Phoenixville, Pa.
William Beaumont Army Hospital..... El Paso, Texas
Brooke Army Hospital, Fort Sam Houston..... San Antonio, Texas
Madigan Army Hospital..... Tacoma, Wash.
Tripler Army Hospital..... Honolulu, T. H.

UNITED STATES NAVY

U. S. Naval Hospital..... Corona, Calif.
U. S. Naval Hospital..... Oakland, Calif.
U. S. Naval Hospital..... Oceanside, Calif.
U. S. Naval Hospital..... San Diego, Calif.
U. S. Naval Hospital..... Jacksonville, Fla.
U. S. Naval Hospital..... Pensacola, Fla.
U. S. Naval Hospital..... Great Lakes, Ill.
U. S. Naval Hospital..... Bethesda, Md.
U. S. Naval Hospital..... Chelsea, Mass.
U. S. Naval Hospital..... St. Albans, N. Y.
U. S. Naval Hospital..... Philadelphia
U. S. Naval Hospital..... ...Newport, R. I.
U. S. Naval Hospital..... Charleston, S. C.
U. S. Naval Hospital..... Portsmouth, Va.
U. S. Naval Hospital..... Bremerton, Wash.

U. S. PUBLIC HEALTH SERVICE

U. S. Public Health Service Hospital..... San Francisco
U. S. Public Health Service Hospital..... New Orleans
U. S. Public Health Service Hospital..... Baltimore
U. S. Public Health Service Hospital..... Staten Island, N. Y.
U. S. Public Health Service Hospital..... Norfolk, Va.
U. S. Public Health Service Hospital..... Seattle

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Freedmen's Hospital..... Washington, D. C.
Saint Elizabeths Hospital..... Washington, D. C.

VETERANS ADMINISTRATION

Veterans Admin. Hospital..... Long Beach, Calif.
Veterans Admin. Center..... Los Angeles
Veterans Admin. Hospital..... Houston, Texas
Veterans Admin. Hospital..... Salt Lake City

NONFEDERAL

Birmingham Baptist Hospital..... Birmingham, Ala.
Carraway Methodist Hospital..... Birmingham, Ala.
St. Vincent's Hospital..... Birmingham, Ala.
South Highlands Infirmary..... Birmingham, Ala.
University Hospital and Hillman Clinic..... Birmingham, Ala.
Lloyd Noland Hospital..... Fairfield, Ala.
Holy Name of Jesus Hospital..... Gadsden, Ala.
City Hospital..... Mobile, Ala.
Druid City Hospital..... Tuscaloosa, Ala.
Good Samaritan Hospital..... Phoenix, Ariz.
Maricopa County General Hospital..... Phoenix, Ariz.
Memorial Hospital..... Phoenix, Ariz.
St. Joseph's Hospital..... Phoenix, Ariz.
St. Mary's Hospital and Sanatorium..... Tucson, Ariz.
Tucson Medical Center..... Tucson, Ariz.
Arkansas Baptist Hospital..... Little Rock, Ark.
St. Vincent's Infirmary..... Little Rock, Ark.
University Hospital..... Little Rock, Ark.
General Hospital of Riverside County..... Arlington, Calif.
Herrick Memorial Hospital..... Berkeley, Calif.
San Joaquin General Hospital..... French Camp, Calif.
Fresno General Hospital..... Fresno, Calif.
Glendale Sanitarium and Hospital..... Glendale, Calif.
Loma Linda Sanitarium and Hospital..... Loma Linda, Calif.
St. Mary's Long Beach Hospital..... Long Beach, Calif.
Seaside Memorial Hospital..... Long Beach, Calif.
California Hospital..... Los Angeles
Cedars of Lebanon Hospital..... Los Angeles
Hospital of the Good Samaritan..... Los Angeles
Los Angeles County Hospital..... Los Angeles
Methodist Hospital of Southern California..... Los Angeles
Presbyterian Hospital-Olmsted Memorial..... Los Angeles
Queen of Angels Hospital..... Los Angeles
Santa Fe Coast Lines Hospital..... Los Angeles
White Memorial Hospital..... Los Angeles
Highland-Alameda County Hospital..... Oakland, Calif.
Kaiser Foundation Hospital..... Oakland, Calif.
Orange County General Hospital..... Orange, Calif.
Collis P. and Howard Huntington Memorial Hospital... Pasadena, Calif.
Sacramento County Hospital..... Sacramento, Calif.
San Bernardino County Charity Hospital..... San Bernardino, Calif.
Mercy Hospital..... San Diego, Calif.

NONFEDERAL—Continued

San Diego County General Hospital..... San Diego, Calif.
Children's Hospital..... San Francisco
Franklin Hospital..... San Francisco
French Hospital..... San Francisco
Mary's Help Hospital..... San Francisco
Mount Zion Hospital..... San Francisco
St. Joseph's Hospital..... San Francisco
St. Luke's Hospital..... San Francisco
St. Mary's Hospital..... San Francisco
San Francisco Hospital..... San Francisco
Southern Pacific General Hospital..... San Francisco
University of California Hospital..... San Francisco
Santa Clara County Hospital..... San Jose, Calif.
Santa Barbara Cottage Hospital..... Santa Barbara, Calif.
St. John's Hospital..... Santa Monica, Calif.
Santa Monica Hospital..... Santa Monica, Calif.
Harbor General Hospital..... Torrance, Calif.
Glockner-Penrose Hospital..... Colorado Springs, Colo.
General Rose Memorial Hospital..... Denver
Mercy Hospital..... Denver
Porter Sanitarium and Hospital..... Denver
Presbyterian Hospital..... Denver
St. Anthony Hospital..... Denver
St. Joseph's Hospital..... Denver
St. Luke's Hospital..... Denver
University of Colorado Medical Center
Colorado General Hospital..... Denver
Denver General Hospital..... Denver
Weld County General Hospital..... Greeley, Colo.
Bridgeport Hospital..... Bridgeport, Conn.
St. Vincent's Hospital..... Bridgeport, Conn.
Bristol Hospital..... Bristol, Conn.
Danbury Hospital..... Danbury, Conn.
Greenwich Hospital..... Greenwich, Conn.
Hartford Hospital..... ...Hartford, Conn.
Hartford Municipal Hospital and Health Center..... Hartford, Conn.
Mount Sinai Hospital..... Hartford, Conn.
St. Francis Hospital..... Hartford, Conn.
Manchester Memorial Hospital..... Manchester, Conn.
Meriden Hospital..... Meriden, Conn.
Middlesex Memorial Hospital..... Middletown, Conn.
New Britain General Hospital..... New Britain, Conn.
Hospital of St. Raphael..... New Haven, Conn.
Lawrence and Memorial Associated Hospitals..... New London, Conn.
Norwalk Hospital..... Norwalk, Conn.
William W. Backus Hospital..... Norwich, Conn.
Stamford Hospital..... Stamford, Conn.
St. Mary's Hospital..... Waterbury, Conn.
Waterbury Hospital..... Waterbury, Conn.
Delaware Hospital..... Wilmington, Del.
Memorial Hospital..... Wilmington, Del.
Wilmington General Hospital..... Wilmington, Del.
Central Dispensary and Emergency Hospital..... Washington, D. C.
District of Columbia General Hospital..... Washington, D. C.
Doctors Hospital..... Washington, D. C.
Garfield Memorial Hospital..... Washington, D. C.
Providence Hospital..... Washington, D. C.
Sibley Memorial Hospital..... Washington, D. C.
Washington Sanitarium and Hospital..... Washington, D. C.
Duval Medical Center..... Jacksonville, Fla.
St. Luke's Hospital..... Jacksonville, Fla.
St. Vincent's Hospital..... Jacksonville, Fla.
Jackson Memorial Hospital..... Miami, Fla.
Mount Sinai Hospital..... Miami Beach, Fla.
St. Francis Hospital..... Miami Beach, Fla.
Orange Memorial Hospital..... Orlando, Fla.
Sacred Heart Hospital..... Pensacola, Fla.
Mound Park Hospital..... St. Petersburg, Fla.
Tampa Municipal Hospital..... Tampa, Fla.
St. Mary's Hospital..... West Palm Beach, Fla.
Athens General Hospital..... Athens, Ga.
St. Mary's Hospital..... Athens, Ga.
Crawford W. Long Memorial Hospital..... Atlanta, Ga.
Georgia Baptist Hospital..... Atlanta, Ga.
Grady Memorial Hospital..... Atlanta, Ga.
Piedmont Hospital..... Atlanta, Ga.
St. Joseph's Infirmary..... Atlanta, Ga.
University Hospital..... Augusta, Ga.
Columbus City Hospital..... Columbus, Ga.
Macon Hospital..... Macon, Ga.
MacNeal Memorial Hospital..... Berwyn, Ill.
St. Francis Hospital..... Blue Island, Ill.
Alexian Brothers Hospital..... Chicago
American Hospital..... Chicago
Augustana Hospital..... Chicago
Chicago Wesley Memorial Hospital..... Chicago
Columbus Hospital..... Chicago
Cook County Hospital..... Chicago
Edgewater Hospital..... Chicago
Englewood Hospital..... Chicago
Evangelical Hospital..... Chicago
Garfield Park Community Hospital..... Chicago
Grant Hospital..... Chicago
Henrotin Hospital..... Chicago
Holy Cross Hospital..... Chicago
Hospital of St. Anthony de Padua..... Chicago
Illinois Central Hospital..... Chicago
Illinois Masonic Hospital..... Chicago
Jackson Park Hospital..... Chicago

NONFEDERAL—Continued

Loretto Hospital	Chicago
Lutheran Deaconess Home and Hospital	Chicago
Mercy Hospital	Chicago
Michael Reese Hospital	Chicago
Mother Cabrini Memorial Hospital	Chicago
Mount Sinai Hospital	Chicago
Norwegian-American Hospital	Chicago
Passavant Memorial Hospital	Chicago
Presbyterian Hospital	Chicago
Provident Hospital	Chicago
Ravenswood Hospital	Chicago
Resurrection Hospital	Chicago
Roseland Community Hospital	Chicago
St. Anne's Hospital	Chicago
St. Bernard's Hospital	Chicago
St. Elizabeth Hospital	Chicago
St. Joseph Hospital	Chicago
St. Luke's Hospital	Chicago
St. Mary of Nazareth Hospital	Chicago
South Chicago Community Hospital	Chicago
South Shore Hospital	Chicago
Swedish Covenant Hospital	Chicago
University of Chicago Clinics	Chicago
University of Illinois Research and Educational Hospitals	Chicago
Walther Memorial Hospital	Chicago
Women and Children's Hospital	Chicago
Woodlawn Hospital	Chicago
Decatur and Macon County Hospital	Decatur, Ill.
St. Mary's Hospital	East St. Louis, Ill.
Memorial Hospital of DuPage County	Elmhurst, Ill.
Evanston Hospital	Evanston, Ill.
St. Francis Hospital	Evanston, Ill.
Little Company of Mary Hospital	Evergreen Park, Ill.
Moline Public Hospital	Moline, Ill.
Oak Park Hospital	Oak Park, Ill.
West Suburban Hospital	Oak Park, Ill.
Methodist Hospital of Central Illinois	Peoria, Ill.
St. Francis Hospital	Peoria, Ill.
Rockford Memorial Hospital	Rockford, Ill.
St. Anthony's Hospital	Rockford, Ill.
Swedish-American Hospital	Rockford, Ill.
Memorial Hosptial	Springfield, Ill.
St. Catherine Hospital	East Chicago, Ind.
Protestant Deaconess Hospital	Evansville, Ind.
St. Mary's Hospital	Evansville, Ind.
Lutheran Hospital	Fort Wayne, Ind.
Parkview Memorial Hospital	Fort Wayne, Ind.
St. Joseph Hospital	Fort Wayne, Ind.
Methodist Hospital	Gary, Ind.
St. Mary's Mercy Hospital	Gary, Ind.
St. Margaret Hospital	Hammond, Ind.
Indianapolis General Hospital	Indianapolis
Indiana University Medical Center	Indianapolis
Methodist Hospital	Indianapolis
St. Vincent's Hospital	Indianapolis
St. Elizabeth Hospital	Lafayette, Ind.
Ball Memorial Hospital	Muncie, Ind.
Memorial Hospital	South Bend, Ind.
St. Joseph's Hospital	South Bend, Ind.
Mercy Hospital	Cedar Rapids, Iowa
St. Luke's Methodist Hospital	Cedar Rapids, Iowa
Mercy Hospital	Council Bluffs, Iowa
Mercy Hospital	Davenport, Iowa
Broadlawns Polk County Hospital	Des Moines, Iowa
Iowa Lutheran Hosptal	Des Moines, Iowa
Iowa Methodist Hospital	Des Moines, Iowa
Mercy Hospital	Des Moines, Iowa
Mercy Hospital	Iowa City
University Hospitals	Iowa City
St. Joseph Mercy Hospital	Sioux City, Iowa
Bethany Hospital	Kansas City, Kan.
Providence Hospital	Kansas City, Kan.
St. Margaret's Hospital	Kansas City, Kan.
University of Kansas Medical Center	Kansas City, Kan.
St. Francis Hospital	Wichita, Kan.
Wesley Hospital	Wichita, Kan.
Wichita-St. Joseph Hospital	Wichita, Kan.
St. Elizabeth Hospital	Covington, Ky.
Good Samaritan Hospital	Lexington, Ky.
St. Joseph Hospital	Lexington, Ky.
Kentucky Baptist Hospital	Louisville, Ky.
Louisville General Hospital	Louisville, Ky.
Norton Memorial Infirmary	Louisville, Ky.
St. Anthony Hospital	Louisville, Ky.
St. Joseph Infirmary	Louisville, Ky.
Baton Rouge General Hospital	Baton Rouge, La.
Charity Hospital of Louisiana	New Orleans
Hotel Dieu, Sisters' Hospital	New Orleans
Mercy Hospital	New Orleans
Southern Baptist Hospital	New Orleans
Touro Infirmary	New Orleans
Confederate Memorial Medical Center	Shreveport, La.
North Louisiana Sanitarium	Shreveport, La.
Eastern Maine General Hospital	Bangor, Maine
Central Maine General Hospital	Lewiston, Maine
St. Mary's General Hospital	Lewiston, Maine
Maine General Hospital	Portland, Maine
Baltimore City Hospitals	Baltimore
Bon Secours Hospital	Baltimore
Church Home and Hospital	Baltimore
Franklin Square Hospital	Baltimore
Lutheran Hospital	Baltimore
Maryland General Hospital	Baltimore
Mercy Hospital	Baltimore
Provident Hospital and Free Dispensary	Baltimore
St. Agnes Hospital	Baltimore
St. Joseph's Hospital	Baltimore
Sinai Hospital	Baltimore

NONFEDERAL—Continued

South Baltimore General Hospital	Baltimore
Union Memorial Hospital	Baltimore
University Hospital	Baltimore
Suburban Hospital	Bethesda, Md.
Prince George's General Hospital	Cheverly, Md.
Washington County Hospital	Hagerstown, Md.
Beverly Hospital	Beverly, Mass.
Carney Hospital	Boston
New England Hospital	Boston
St. Elizabeth's Hospital	Boston
Brockton Hospital	Brockton, Mass.
Cambridge City Hospital	Cambridge, Mass.
Mount Auburn Hospital	Cambridge, Mass.
Truesdale Hospital	Fall River, Mass.
Union Hospital	Fall River, Mass.
Holyoke Hospital	Holyoke, Mass.
Lawrence General Hospital	Lawrence, Mass.
Lowell General Hospital	Lowell, Mass.
St. John's Hospital	Lowell, Mass.
St. Joseph's Hospital	Lowell, Mass.
Lynn Hospital	Lynn, Mass.
St. Luke's Hospital	New Bedford, Mass.
Newton-Wellesley Hospital	Newton Lower Falls, Mass.
St. Luke's Hospital	Pittsfield, Mass.
Quincy City Hospital	Quincy, Mass.
Salem Hospital	Salem, Mass.
Mercy Hospital	Springfield, Mass.
Springfield, Hospital	Springfield, Mass.
Wesson Memorial Hospital	Springfield, Mass.
Waltham Hospital	Waltham, Mass.
Memorial Hospital	Worcester, Mass.
St. Vincent Hospital	Worcester, Mass.
Worcester City Hospital	Worcester, Mass.
St. Joseph's Mercy Hospital	Ann Arbor, Mich.
Leila Y. Post Montgomery Hospital	Battle Creek, Mich.
Oakwood Hospital	Dearborn, Mich.
Detroit Memorial Hospital	Detroit
Evangelical Deaconess Hospital	Detroit
Grace Hospital	Detroit
Harper Hospital	Detroit
Henry Ford Hosptal	Detroit
Mount Carmel Mercy Hospital	Detroit
Providence Hospital	Detroit
Receiving Hospital	Detroit
St. John Hospital	Detroit
St. Joseph Mercy Hospital	Detroit
Sinai Hospital	Detroit
Woman's Hospital	Detroit
Wayne County General Hospital and Infirmary	Eloise, Mich.
Hurley Hospital	Flint, Mich.
McLaren General Hospital	Flint, Mich.
St. Joseph Hospital	Flint, Mich.
Blodgett Memorial Hospital	Grand Rapids, Mich.
Butterworth Hospital	Grand Rapids, Mich.
St. Mary's Hospital	Grand Rapids, Mich.
Bon Secours Hospital	Grosse Pointe, Mich.
Highland Park General Hospital	Highland Park, Mich.
Borgess Hospital	Kalamazoo, Mich.
Bronson Methodist Hospital	Kalamazoo, Mich.
Edward W. Sparrow Hospital	Lansing, Mich.
St. Lawrence Hospital	Lansing, Mich.
Pontiac General Hospital	Pontiac, Mich.
St. Joseph Mercy Hospital	Pontiac, Mich.
Saginaw General Hospital	Saginaw, Mich.
St. Luke's Hospital	Saginaw, Mich.
St. Mary's Hospital	Saginaw, Mich.
James Decker Munson Hospital	Traverse City, Mich.
St. Luke's Hospital	Duluth, Minn.
St. Mary's Hospital	Duluth, Minn.
Minneapolis General Hospital	Minneapolis
Mount Sinai Hospital	Minneapolis
Northwestern Hospital	Minneapolis
St. Barnabas Hospital	Minneapolis
St. Mary's Hospital	Minneapolis
Swedish Hospital	Minneapolis
University of Minnesota Hospitals	Minneapolis
Ancker Hospital	St. Paul
Charles T. Miller Hospital	St. Paul
St. Joseph's Hospital	St. Paul
St. Luke's Hospital	St. Paul
Mississippi Baptist Hospital	Jackson, Miss.
Mercy Hospital-Street Memorial	Vicksburg, Miss.
St. Louis County Hospital	Clayton, Mo.
Kansas City General Hospital No. 1	Kansas City, Mo.
Kansas City General Hospital No. 2	Kansas City, Mo.
Menorah Medical Center	Kansas City, Mo.
Research Hospital	Kansas City, Mo.
St. Joseph Hospital	Kansas City, Mo.
St. Luke's Hospital	Kansas City, Mo.
St. Mary's Hospital	Kansas City, Mo.
Trinity Lutheran Hospital	Kansas City, Mo.
Missouri Methodist Hospital	St. Joseph, Mo.
St. Joseph's Hospital	St. Joseph, Mo.
Christian Hospital	St. Louis
De Paul Hospital	St. Louis
Evangelical Deaconess Hospital	St. Louis
Homer G. Phillips Hospital	St. Louis
Jewish Hospital	St. Louis
Missouri Baptist Hospital	St. Louis
St. Anthony's Hospital	St. Louis
St. John's Hospital	St. Louis
St. Louis City Hospital	St. Louis
St. Luke's Hospital	St. Louis
St. Mary's Group of Hospitals	St. Louis
Butte Community Memorial Hospital	Butte, Mont.
St. James Hospital	Butte, Mont.
Montana Deaconess Hospital	Great Falls, Mont.
Bryan Memorial Hospital	Lincoln, Neb.
Lincoln General Hospital	Lincoln, Neb.
St. Elizabeth Hospital	Lincoln, Neb.
Bishop Clarkson Memorial Hospital	Omaha

NONFEDERAL—Continued

Creighton Memorial-St. Joseph's Hospital	Omaha
Immanuel Hospital	Omaha
Nebraska Methodist Hospital	Omaha
St. Catherine's Hospital	Omaha
University of Nebraska Hospital	Omaha
Mary Hitchcock Memorial Hospital	Hanover, N. H.
Atlantic City Hospital	Atlantic City, N. J.
Bayonne Hospital and Dispensary	Bayonne, N. J.
Cooper Hospital	Camden, N. J.
Our Lady of Lourdes Hospital	Camden, N. J.
West Jersey Hospital	Camden, N. J.
East Orange General Hospital	East Orange, N. J.
Alexian Brothers Hospital	Elizabeth, N. J.
Elizabeth General Hospital and Dispensary	Elizabeth, N. J.
St. Elizabeth Hospital	Elizabeth, N. J.
Englewood Hospital	Englewood, N. J.
Hackensack Hospital	Hackensack, N. J.
St. Mary's Hospital	Hoboken, N. J.
Christ Hospital	Jersey City, N. J.
Jersey City Hospital	Jersey City, N. J.
St. Francis Hospital	Jersey City, N. J.
Monmouth Memorial Hospital	Long Branch, N. J.
Mountainside Hospital	Montclair, N. J.
All Souls Hospital	Morristown, N. J.
Morristown Memorial Hospital	Morristown, N. J.
Fitkin Memorial Hospital	Neptune, N. J.
Harrison S. Martland Medical Center	Newark, N. J.
Hospital of Saint Barnabas and for Women and Children	Newark, N. J.
Newark Beth Israel Hospital	Newark, N. J.
Presbyterian Hospital	Newark, N. J.
St. Michael's Hospital	Newark, N. J.
St. Peter's General Hospital	New Brunswick, N. J.
Orange Memorial Hospital	Orange, N. J.
Bergen Pines County Hospital	Paramus, N. J.
Passaic General Hospital	Passaic, N. J.
St. Mary's Hospital	Passaic, N. J.
Barnert Memorial Hospital	Paterson, N. J.
Paterson General Hospital	Paterson, N. J.
St. Joseph Hospital	Paterson, N. J.
Perth Amboy General Hospital	Perth Amboy, N. J.
Muhlenberg Hospital	Plainfield, N. J.
Somerset Hospital	Somerville, N. J.
Overlook Hospital	Summit, N. J.
Holy Name Hospital	Teaneck, N. J.
Mercer Hospital	Trenton, N. J.
St. Francis Hospital	Trenton, N. J.
William McKinley Memorial Hospital	Trenton, N. J.
Albany Hospital	Albany, N. Y.
Memorial Hospital	Albany, N. Y.
St. Peter's Hospital	Albany, N. Y.
Binghamton City Hospital	Binghamton, N. Y.
Lawrence Hospital	Bronxville, N. Y.
Beth-El Hospital	Brooklyn
Brooklyn Hospital	Brooklyn
Coney Island Hospital	Brooklyn
Cumberland Hospital	Brooklyn
Greenpoint Hospital	Brooklyn
Jewish Hospital	Brooklyn
Kings County Hospital Center	Brooklyn
Long Island College Hospital	Brooklyn
Maimonides Hospital	Brooklyn
Methodist Hospital	Brooklyn
Norwegian Lutheran Deaconesses' Home and Hospital	Brooklyn
Prospect Heights Hospital	Brooklyn
St. Catherine's Hospital	Brooklyn
St. John's Episcopal Hospital	Brooklyn
St. Mary's Hospital	Brooklyn
Unity Hospital	Brooklyn
Wyckoff Heights Hospital	Brooklyn
Buffalo General Hospital	Buffalo
Deaconess Hospital	Buffalo
Edward J. Meyer Memorial Hospital	Buffalo
Mercy Hospital	Buffalo
Millard Fillmore Hospital	Buffalo
Sisters of Charity Hospitals	Buffalo
Mary Imogene Bassett Hospital	Cooperstown, N. Y.
Arnot-Ogden Memorial Hospital	Elmira, N. Y.
St. Joseph's Hospital	Elmira, N. Y.
Flushing Hospital and Dispensary	Flushing, N. Y.
North Country Community Hospital	Glen Cove, N. Y.
Glens Falls Hospital	Glens Falls, N. Y.
Meadowbrook Hospital	Hempstead, N. Y.
Jamaica Hospital	Jamaica, N. Y.
Mary Immaculate Hospital	Jamaica, N. Y.
Queens Hospital Center	Jamaica, N. Y.
Charles S. Wilson Memorial Hospital	Johnson City, N. Y.
Our Lady of Victory Hospital	Lackawanna, N. Y.
St. John's Long Island City Hospital	Long Island City, N. Y.
Nassau Hospital	Mineola, N. Y.
Northern Westchester Hospital	Mount Kisco, N. Y.
St. Luke's Hosptial	Newburgh, N. Y.
New Rochelle Hospital	New Rochelle, N. Y.
Beth David Hospital	New York City
Beth Israel Hospital	New York City
Bronx Hospital	New York City
Bronx Municipal Hospital Center	New York City

NONFEDERAL—Continued

Columbus Hospital	New York City
Fordham Hospital	New York City
French Hospital	New York City
Harlem Hospital	New York City
Hospital for Joint Diseases	New York City
Jewish Memorial Hospital	New York City
Knickerbocker Hospital	New York City
Lebanon Hospital	New York City
Lenox Hill Hospital	New York City
Lincoln Hospital	New York City
Misericordia Hospital	New York City
Morrisania City Hospital	New York City
Mother Cabrini Memorial Hospital	New York City
Mount Sinai Hospital	New York City
New York City Hospital	New York City
New York Infirmary	New York City
New York Polyclinic Medical School and Hospital	New York City
St. Clare's Hospital	New York City
St. Francis Hospital	New York City
St. Vincent's Hospital	New York City
Sydenham Hospital	New York City
Mount St. Mary's Hospital	Niagara Falls, N. Y.
Niagara Falls Memorial Hospital	Niagara Falls, N. Y.
United Hospital	Port Chester, N. Y.
St. Francis Hospital	Poughkeepsie, N. Y.
Vassar Brothers Hospital	Poughkeepsie, N. Y.
Genessee Hospital	Rochester, N. Y.
Highland Hospital	Rochester, N. Y.
Rochester General Hospital	Rochester, N. Y.
St. Mary's Hospital	Rochester, N. Y.
Strong Memorial-Rochester Municipal Hospitals	Rochester, N. Y.
Ellis Hospital	Schenectady, N. Y.
St. Clare's Hospital	Schenectady, N. Y.
St. Vincent's Hospital	Staten Island, N. Y.
Staten Island Hospital	Staten Island, N. Y.
General Hospital	Syracuse, N. Y.
St. Joseph's Hospital	Syracuse, N. Y.
State University of New York Upstate Medical Center	Syracuse, N. Y.
St. Mary's Hospital	Troy, N. Y.
Samaritan Hospital	Troy, N. Y.
Grasslands Hospital	Valhalla, N. Y.
St. Agnes Hospital	White Plains, N. Y.
White Plains Hospital	White Plains, N. Y.
St. John's Riverside Hospital	Yonkers, N. Y.
St. Joseph's Hospital	Yonkers, N. Y.
Yonkers General Hospital	Yonkers, N. Y.
Memorial Mission Hospital	Asheville, N. C.
Charlotte Memorial Hospital	Charlotte, N. C.
Mercy Hospital	Charlotte, N. C.
Lincoln Hospital	Durham, N. C.
Watts Hospital	Durham, N. C.
Moses H. Cone Memorial Hospital	Greensboro, N. C.
Rex Hospital	Raleigh, N. C.
St. Agnes Hospital	Raleigh, N. C.
James Walker Memorial Hospital	Wilmington, N. C.
City Memorial Hospital	Winston-Salem, N. C.
Kate Bitting Reynolds Memorial Hospital	Winston-Salem, N. C.
St. John's Hospital	Fargo, N. D.
St. Luke's Hospital	Fargo, N. D.
Grand Forks Deaconess Hospital	Grand Forks, N. D.
Trinity Hospital	Minot, N. D.
Akron General Hospital	Akron, Ohio
City Hospital	Akron, Ohio
St. Thomas Hospital	Akron, Ohio
Aultman Hospital	Canton, Ohio
Mercy Hospital	Canton, Ohio
Bethesda Hospital	Cincinnati
Christ Hospital	Cincinnati
Cincinnati General Hospital	Cincinnati
Deaconess Hospital	Cincinnati
Good Samaritan Hospital	Cincinnati
Jewish Hospital	Cincinnati
St. Mary's Hospital	Cincinnati
City Hospital	Cleveland
Evangelical Deaconess Hospital	Cleveland
Fairview Park Hospital	Cleveland
Lutheran Hospital	Cleveland
Mount Sinai Hospital	Cleveland
St. Alexis Hospital	Cleveland
St. John's Hospital	Cleveland
St. Luke's Hospital	Cleveland
St. Vincent Charity Hospital	Cleveland
University Hospitals	Cleveland
Doctors Hospital	Cleveland Heights
Grant Hospital	Columbus, Ohio
Mount Carmel Hospital	Columbus, Ohio
University Hospitals	Columbus, Ohio
White Cross Hospital	Columbus, Ohio
Good Samaritan Hospital	Dayton, Ohio
Miami Valley Hospital	Dayton, Ohio
St. Elizabeth Hospital	Dayton, Ohio
Huron Road Hospital	East Cleveland
Elyria Memorial Hospital	Elyria, Ohio
Euclid-Glenville Hospital	Euclid, Ohio
Marymount Hospital	Garfield Heights, Ohio
Mercy Hospital	Hamilton, Ohio

NONFEDERAL—Continued

Lakewood Hospital	Lakewood, Ohio
Lima Memorial Hospital	Lima, Ohio
St. Rita's Hospital	Lima, Ohio
Mercy Hospital	Springfield, Ohio
Springfield City Hospital	Springfield, Ohio
Ohio Valley Hospital	Steubenville, Ohio
Flower Hospital	Toledo, Ohio
Maumee Valley Hospital	Toledo, Ohio
Mercy Hospital	Toledo, Ohio
Riverside Hospital	Toledo, Ohio
St. Charles Hospital	Toledo, Ohio
St. Vincent's Hospital	Toledo, Ohio
Toledo Hospital	Toledo, Ohio
St. Elizabeth Hospital	Youngstown, Ohio
Youngstown Hospital	Youngstown, Ohio
Mercy Hospital, Oklahoma City General	Oklahoma City
St. Anthony Hospital	Oklahoma City
University of Oklahoma Hospitals	Oklahoma City
Wesley Hospital	Oklahoma City
Hillcrest Medical Center	Tulsa, Okla.
St. John's Hospital	Tulsa, Okla.
Sacred Heart General Hospital	Eugene, Ore.
Emanuel Hospital	Portland, Ore.
Good Samaritan Hospital	Portland, Ore.
Portland Sanitarium and Hospital	Portland, Ore.
Providence Hospital	Portland, Ore.
St. Vincent's Hospital	Portland, Ore.
Univ. of Oregon Medical School Hospitals and Clinics	Portland, Ore.
Abington Memorial Hospital	Abington, Pa.
Allentown Hospital	Allentown, Pa.
Sacred Heart Hospital	Allentown, Pa.
Altoona Hospital	Altoona, Pa.
Mercy Hospital	Altoona, Pa.
St. Luke's Hospital	Bethlehem, Pa.
Bryn Mawr Hospital	Bryn Mawr, Pa.
Chester Hospital	Chester, Pa.
George F. Geisinger Memorial Hospital and Foss Clinic	Danville, Pa.
Thomas M. Fitzgerald-Mercy Hospital	Darby, Pa.
Easton Hospital	Easton, Pa.
Hamot Hospital	Erie, Pa.
St. Vincent's Hospital	Erie, Pa.
Westmoreland Hospital	Greensburg, Pa.
Harrisburg Hospital	Harrisburg, Pa.
Harrisburg Polyclinic Hospital	Harrisburg, Pa.
Conemaugh Valley Memorial Hospital	Johnstown, Pa.
Nesbitt Memorial Hospital	Kingston, Pa.
Lancaster General Hospital	Lancaster, Pa.
St. Joseph's Hospital	Lancaster, Pa.
McKeesport Hospital	McKeesport, Pa.
Montgomery Hospital	Norristown, Pa.
Sacred Heart Hospital	Norristown, Pa.
Albert Einstein Medical Center, Northern Division	Philadelphia
Albert Einstein Medical Center, Southern Division	Philadelphia
Chestnut Hill Hospital	Philadelphia
Episcopal Hospital	Philadelphia
Frankford Hospital	Philadelphia
Germantown Dispensary and Hospital	Philadelphia
Graduate Hospital of the University of Pennsylvania	Philadelphia
Hahnemann Hospital	Philadelphia
Hospital of the University of Pennsylvania	Philadelphia
Hospital of the Woman's Medical College of Pennsylvania	Philadelphia
Jefferson Medical College Hospital	Philadelphia
Lankenau Hospital	Philadelphia
Memorial Hospital	Philadelphia
Methodist Episcopal Hospital	Philadelphia
Misericordia Hospital	Philadelphia
Nazareth Hospital	Philadelphia
Pennsylvania Hospital	Philadelphia
Philadelphia General Hospital	Philadelphia
Presbyterian Hospital	Philadelphia
St. Agnes Hospital	Philadelphia
St. Joseph's Hospital	Philadelphia
St. Luke's and Children's Medical Center	Philadelphia
St. Mary's Hospital	Philadelphia
Temple University Hospital	Philadelphia
Woman's Hospital	Philadelphia
Allegheny General Hospital	Pittsburgh
Mercy Hospital	Pittsburgh
Montefiore Hospital	Pittsburgh
Pittsburgh Hospital	Pittsburgh
Presbyterian Hospital	Pittsburgh
St. Francis General Hospital and Rehabilitation Institute	Pittsburgh
St. John's General Hospital	Pittsburgh
St. Joseph's Hospital and Dispensary	Pittsburgh
St. Margaret Memorial Hospital	Pittsburgh
Shadyside Hospital	Pittsburgh
South Side Hospital	Pittsburgh
Western Pennsylvania Hospital	Pittsburgh
Community General Hospital	Reading, Pa.
Reading Hospital	Reading, Pa.
St. Joseph's Hospital	Reading, Pa.
Robert Packer Hospital	Sayre, Pa.
Scranton State Hospital	Scranton, Pa.
Sewickley Valley Hospital	Sewickley, Pa.
Sharon General Hospital	Sharon, Pa.
Allegheny Valley Hospital	Tarentum, Pa.

NONFEDERAL—Continued

Uniontown Hospital	Uniontown, Pa.
Washington Hospital	Washington, Pa.
Chester County Hospital	West Chester, Pa.
Mercy Hospital	Wilkes-Barre, Pa.
Wilkes-Barre General Hospital	Wilkes-Barre, Pa.
Columbia Hospital	Wilkinsburg, Pa.
Divine Providence Hospital	Williamsport, Pa.
Williamsport Hospital	Williamsport, Pa.
York Hospital	York, Pa.
Newport Hospital	Newport, R. I.
Memorial Hospital	Pawtucket, R. I.
Miriam Hospital	Providence, R. I.
Rhode Island Hospital	Providence, R. I.
Roger Williams General Hospital	Providence, R. I.
St. Joseph's Hospital	Providence, R. I.
Roper Hospital	Charleston, S. C.
Columbia Hospital of Richland County	Columbia, S. C.
McLeod Infirmary	Florence, S. C.
Greenville General Hospital	Greenville, S. C.
Orangeburg Regional Hospital	Orangeburg, S. C.
Spartanburg General Hospital	Spartanburg, S. C.
McKennan Hospital	Sioux Falls, S. Dak.
Sioux Valley Hospital	Sioux Falls, S. Dak.
Sacred Heart Hospital	Yankton, S. Dak.
Baroness Erlanger Hospital	Chattanooga, Tenn.
Holston Valley Community Hospital	Kingsport, Tenn.
East Tennessee Baptist Hospital	Knoxville, Tenn.
Fort Sanders Presbyterian Hospital	Knoxville, Tenn.
Knoxville General Hospital	Knoxville, Tenn.
St. Mary's Memorial Hospital	Knoxville, Tenn.
Baptist Memorial Hospital	Memphis, Tenn.
John Gaston Hospital	Memphis, Tenn.
Methodist Hospital	Memphis, Tenn.
St. Joseph's Hospital	Memphis, Tenn.
Baptist Hospital	Nashville, Tenn.
George W. Hubbard Hospital	Nashville, Tenn.
St. Thomas Hospital	Nashville, Tenn.
Brackenridge Hospital	Austin, Texas
Memorial Hospital	Corpus Christi, Texas
Baylor University Hospital	Dallas, Texas
Methodist Hospital	Dallas, Texas
Parkland Memorial Hospital	Dallas, Texas
St. Paul's Hospital	Dallas, Texas
El Paso General Hospital	El Paso, Texas
Hotel Dieu Sisters' Hospital	El Paso, Texas
Harris Hospital	Fort Worth, Texas
John Peter Smith Hospital	Fort Worth, Texas
St. Joseph's Hospital	Fort Worth, Texas
University of Texas Medical Branch Hospitals	Galveston, Texas
Hermann Hospital	Houston, Texas
Jefferson Davis Hospital	Houston, Texas
Methodist Hospital	Houston, Texas
St. Joseph's Hospital	Houston, Texas
Baptist Memorial Hospital	San Antonio, Texas
Robert B. Green Memorial Hospital	San Antonio, Texas
Santa Rosa Hospital	San Antonio, Texas
Kings Daughters Hospital	Temple, Texas
Scott and White Memorial Hospitals	Temple, Texas
Providence Hospital	Waco, Texas
St. Benedict's Hospital	Ogden, Utah
Thomas D. Dee Memorial Hospital	Ogden, Utah
Dr. W. H. Groves Latter-Day Saints Hospital	Salt Lake City
Holy Cross Hospital	Salt Lake City
St. Mark's Hospital	Salt Lake City
Salt Lake County General Hospital	Salt Lake City
Bishop De Goesbriand Hospital	Burlington, Vt.
Mary Fletcher Hospital	Burlington, Vt.
Alexandria Hospital	Alexandria, Va.
University of Virginia Hospital	Charlottesville, Va.
Memorial Hospital	Danville, Va.
Lynchburg General Hospital	Lynchburg, Va.
Mary Immaculate Hospital	Newport News, Va.
Riverside Hospital	Newport News, Va.
De Paul Hospital	Norfolk, Va.
Norfolk General Hospital	Norfolk, Va.
Johnston-Willis Hospital	Richmond, Va.
Medical College of Virginia—Hospital Division	Richmond, Va.
Lewis-Gale Hospital	Roanoke, Va.
Roanoke Memorial Hospital	Roanoke, Va.
Louise Obici Memorial Hospital	Suffolk, Va.
Winchester Memorial Hospital	Winchester, Va.
Doctors Hospital	Seattle
King County Hospital Unit No. 1 (Harborview)	Seattle
Providence Hospital	Seattle
Seattle General Hospital	Seattle
Swedish Hospital	Seattle
Virginia Mason Hospital	Seattle
Deaconess Hospital	Spokane, Wash.
Sacred Heart Hospital	Spokane, Wash.
St. Luke's Hospital	Spokane, Wash.
Pierce County Hospital	Tacoma, Wash.
St. Joseph Hospital	Tacoma, Wash.
Tacoma General Hospital	Tacoma, Wash.
Charleston General Hospital	Charleston, W. Va.
Kanawha Valley Hospital	Charleston, W. Va.
Memorial Hospital	Charleston, W. Va.

NONFEDERAL—Continued

St. Mary's Hospital..... Huntington, W. Va.
Camden-Clark Memorial Hospital..... Parkersburg, W. Va.
St. Joseph's Hospital..... Parkersburg, W. Va.
Ohio Valley General Hospital..... Wheeling, W. Va.
Luther Hospital ..... Eau Claire, Wis.
Mercy Hospital ..... Janesville, Wis.
La Crosse Lutheran Hospital..... La Crosse, Wis.
St. Francis Hospital..... La Crosse, Wis.
Madison General Hospital..... Madison, Wis.
Methodist Hospital ..... Madison, Wis.
St. Mary's Hospital..... Madison, Wis.
University Hospitals ..... Madison, Wis.
St. Joseph's Hospital..... Marshfield, Wis.
Columbia Hospital ..... Milwaukee
Evangelical Deaconess Hospital..... Milwaukee
Milwaukee County Hospital..... Milwaukee
Milwaukee Hospital ..... Milwaukee
Misericordia Hospital ..... Milwaukee
Mount Sinai Hospital..... Milwaukee
St. Joseph's Hospital..... Milwaukee
St. Luke's Hospital..... Milwaukee
St. Mary's Hospital..... Milwaukee
St. Michael Hospital..... Milwaukee
Mercy Hospital ..... Oshkosh, Wis.
St. Mary's Hospital..... Wausau, Wis.
Gorgas Hospital ..... Ancon, C. Z.
Kaukini Hospital ..... Honolulu, T. H.
Queens Hospital ..... Honolulu, T. H.
St. Francis Hospital..... Honolulu, T. H.
Arecibo District Hospital..... Arecibo, P. R.
Bayamon District Hospital..... Bayamon, P. R.
Fajardo District Hospital..... Fajardo, P. R.
Hospital de Damas..... Ponce, P. R.
Presbyterian Hospital ..... San Juan, P. R.
Rio Piedras Municipal Hospital..... San Juan, P. R.
San Juan City Hospital..... San Juan, P. R.

ROTATING (MED. MAJOR)

Number of Approved Programs, 9

George Washington University Hospital..... Washington, D. C.
Ravenswood Hospital ..... Chicago
Swedish Covenant Hospital..... Chicago
Memorial Hospital of Du Page County..... Elmhurst, Ill.
Holyoke Hospital ..... Holyoke, Mass.
University Hospital ..... Ann Arbor, Mich.
Missouri Baptist Hospital..... St. Louis
Riverside Hospital ..... Newport News, Va.
Norfolk General Hospital..... Norfolk, Va.

ROTATING (SURG. MAJOR)

Number of Approved Programs, 10

George Washington University Hospital..... Washington, D. C.
Ravenswood Hospital ..... Chicago
Memorial Hospital of Du Page County..... Elmhurst, Ill.
T. E. Schumpert Memorial Hospital..... Shreveport, La.
Holyoke Hospital ..... Holyoke, Mass.
University Hospital ..... Ann Arbor, Mich.
Missouri Baptist Hospital..... St. Louis
Bellevue Hospital Center Div. I—Surgical—
Columbia University ..... New York City
Riverside Hospital ..... Newport News, Va.
Norfolk General Hospital..... Norfolk, Va.

ROTATING (PED. MAJOR)

Number of Approved Programs, 4

Memorial Hospital of Du Page County..... Elmhurst, Ill.
University Hospital ..... Ann Arbor, Mich.
Riverside Hospital ..... Newport News, Va.
Norfolk General Hospital..... Norfolk, Va.

ROTATING (OB.-GYN. MAJOR)

Number of Approved Programs, 6

Ravenswood Hospital ..... Chicago
Memorial Hospital of Du Page County..... Elmhurst, Ill.
University Hospital ..... Ann Arbor, Mich.
Woman's Hospital ..... Philadelphia
Riverside Hospital ..... Newport News, Va.
Norfolk General Hospital..... Norfolk, Va.

OTHER ROTATING

Number of Approved Programs, 10

University of Colorado Medical Center
Denver General Hospital..... Denver
Community Rotating
George Washington University Hospital..... Washington, D. C.
Rotating (Path.-Major)

OTHER ROTATING—Continued

University Hospital ..... Ann Arbor, Mich.
Rotating (Neurol.-Major)
Rotating (Derm.-Major)
Rotating (Anes.-Major)
Rotating (Otol.-Major)
Rotating (Ophth.-Major)
Rotating (Phys. Med. Rehab.-Major)
Rotating (Gen. Prac.-Major)
Rotating (Path.-Major)

MIXED

Number of Approved Programs, 25

U. S. Public Health Service Hospital, Boston, Mass.; Med.-Surg.
University Hospital, Little Rock, Ark.; Ob.-Gyn.-Med.
St. Vincent's Hospital, Los Angeles; Med.-Surg.-Ob.-Gyn.
University of California Hospital, San Francisco; Med.-Ob.; Med.-Surg.
University of Kansas Medical Center, Kansas City, Kan.; Med.-Surg.-Ped.
Hospital for Women, Baltimore; Med.-Ob.-Gyn.
Lutheran Hospital, St. Louis; Med.-Surg.-Ob.-Gyn.
Mary Imogene Bassett Hospital, Cooperstown, N. Y.; Med.-Surg.
Bellevue Hospital Center, New York City
Division I—Medical—Columbia University; Med.-Chest-Surg. or Path.
Bellevue Hospital Center, New York City
Division II—Medical—Cornell University; Med.-Path.
Bellevue Hospital Center, New York City
Division III—Medical—New York University College of Medicine; Med.-Surg.
Bellevue Hospital Center, New York City
Division III—Surgical—New York University College of Medicine; Surg.-Med.
Lenox Hill Hospital, New York City; Med.-Surg.-Ob.-Gyn.
Montefiore Hospital, New York City; Med.-Surg.-Pul.-Neur.-Neoplastic
Roosevelt Hospital, New York City; Med.-Ped.-Surg.; Surg.-Gyn.-Med.
St. Luke's Hospital, New York City; Med.-Surg.; Surg.-Med.
Strong Memorial-Rochester Municipal Hospitals, Rochester, N. Y.; Surg.-Ob.-Gyn.
North Carolina Memorial Hospital, Chapel Hill, N. C.; Med.-Ped.
Duke Hospital, Durham, N. C.; Ob.-Ped.
Watts Hospital, Durham, N. C.; Med.-Ob.-Surg.
North Carolina Baptist Hospital, Winston-Salem, N. C.; Ped.-Ob.-Gyn.
Bethesda Hospital, Cincinnati; Med.-Ob.-Surg.
North Carolina Baptist Hospital, Winston-Salem, N. C.; Ped.-Ob.-Gyn.
Ped.
Baroness Erlanger Hospital, Chattanooga, Tenn.; Med.-Ob.-Ped.
Jefferson Hospital, Roanoke, Va.; Surg.-Med.-Ob.

STRAIGHT

Total Number of Approved Programs, 208

INTERNAL MEDICINE

Number of Approved Programs, 74

Veterans Admin. Hospital..... Long Beach, Calif.
Veterans Admin. Hospital..... Los Angeles
Veterans Admin. Hospital..... Atlanta, Ga.
Veterans Admin. Hospital..... Oklahoma City
Veterans Admin. Hospital..... Dallas, Texas
Veterans Admin. Hospital..... McKinney, Texas
Veterans Admin. Hospital..... Salt Lake City
University Hospital ..... Little Rock, Ark.
Stanford University Hospitals..... San Francisco
University of California Hospital..... San Francisco
Bridgeport Hospital ..... Bridgeport, Conn.
Grace-New Haven Community Hospital..... New Haven, Conn.
Georgetown University Hospital..... Washington, D. C.
Grady Memorial Hospital..... Atlanta, Ga.
Emory University Hospital..... Emory University, Ga.
Michael Reese Hospital..... Chicago
Louisville General Hospital..... Louisville, Ky.
Baltimore City Hospitals..... Baltimore
Church Home and Hospital..... Baltimore
Johns Hopkins Hospital..... Baltimore
Sinai Hospital ..... Baltimore
University Hospital ..... Baltimore
Beth Israel Hospital..... Boston
Boston City Hospital..... Boston
Massachusetts General Hospital..... Boston
Massachusetts Memorial Hospitals..... Boston
New England Center Hospital..... Boston
Peter Bent Brigham Hospital..... Boston
Northwestern Hospital ..... Minneapolis
University of Minnesota Hospitals..... Minneapolis
Barnes Hospital ..... St. Louis
St. Mary's Group of Hospitals..... St. Louis
Jersey City Hospital..... Jersey City, N. J.
Albany Hospital ..... Albany, N. Y.
Cumberland Hospital ..... Brooklyn
Kings County Hospital Center..... Brooklyn
Long Island College Hospital..... Brooklyn
Maimonides Hospital ..... Brooklyn
Methodist Hospital ..... Brooklyn
St. John's Episcopal Hospital..... Brooklyn
Buffalo General Hospital..... Buffalo
Mary Imogene Bassett Hospital..... Cooperstown, N. Y.

INTERNAL MEDICINE—Continued

Charles S. Wilson Memorial Hospital..... Johnson City, N. Y.
Bellevue Hospital Center Division II—Medical
Cornell University ..... New York City
Bellevue Hospital Center Division III—Medical
New York University College of Medicine..... New York City
Bellevue Hospital Center Division IV—Medical
New York University Postgraduate Medical School.... New York City
Bronx Municipal Hospital Center..... New York City
Lebanon Hospital ..... New York City
New York Hospital..... New York City
Presbyterian Hospital ..... New York City
St. Clare's Hospital..... New York City
St. Vincent's Hospital..... New York City
Genesee Hospital ..... Rochester, N. Y.
Strong Memorial-Rochester Municipal Hospitals..... Rochester, N. Y.
State University of New York Upstate Medical Center.... Syracuse, N. Y.
North Carolina Memorial Hospital..... Chapel Hill, N. C.
Duke Hospital ..... Durham, N. C.
Watts Hospital ..... Durham, N. C.
North Carolina Baptist Hospital..... Winston-Salem, N. C.
University Hospitals ..... Cleveland
Woman's Hospital ..... Philadelphia
Baptist Memorial Hospital..... Memphis, Tenn.
St. Thomas Hospital..... Nashville, Tenn.
Vanderbilt University Hospital..... Nashville, Tenn.
Baylor University Hospital..... Dallas, Texas
Parkland Memorial Hospital..... Dallas, Texas
St. Paul's Hospital..... Dallas, Texas
Jefferson Davis Hospital..... Houston, Texas
Methodist Hospital ..... Houston, Texas
Salt Lake County General Hospital..... Salt Lake City
University of Virginia Hospital..... Charlottesville, Va.
Chesapeake and Ohio Hospital..... Clifton Forge, Va.
Medical College of Virginia—Hospital Division..... Richmond, Va.
King County Hospital, Unit No. 1 (Harborview)..... Seattle

OBSTETRICS AND GYNECOLOGY

Number of Approved Programs, 8

University Hospital ..... Little Rock, Ark.
Johns Hopkins Hospital..... Baltimore
Barnes Hospital ..... St. Louis
Norwegian Lutheran Deaconesses' Home and Hospital..... Brooklyn
Sisters of Charity Hospitals..... Buffalo
Charles S. Wilson Memorial Hospital..... Johnson City, N. Y.
Watts Hospital (Ob. only)..... Durham, N. C.
Vanderbilt University Hospital..... Nashville, Tenn.

PATHOLOGY

Number of Approved Programs, 24

University of California Hospital..... San Francisco
Grace-New Haven Community Hospital..... New Haven, Conn.
Emory University Hospital..... Emory University, Ga.
Michael Reese Hospital..... Chicago
Baltimore City Hospitals..... Baltimore
Johns Hopkins Hospital..... Baltimore
Boston City Hospital..... Boston
Children's Medical Center..... Boston
Massachusetts General Hospital..... Boston
Massachusetts Memorial Hospitals..... Boston
Holyoke Hospital ..... Holyoke, Mass.
Barnes Hospital ..... St. Louis
Jersey City Hospital..... Jersey City, N. J.
Kings County Hospital Center..... Brooklyn
Methodist Hospital ..... Brooklyn
Bellevue Hospital Center, Division III—Pathology
New York University College of Medicine..... New York City
New York Hospital..... New York City
Presbyterian Hospital ..... New York City
Genesee Hospital ..... Rochester, N. Y.
Strong Memorial-Rochester Municipal Hospitals..... Rochester, N. Y.
Duke Hospital ..... Durham, N. C.
North Carolina Baptist Hospital..... Winston-Salem, N. C.
Good Samaritan Hospital..... Portland, Ore.
Vanderbilt University Hospital..... Nashville, Tenn.

PEDIATRICS

Number of Approved Programs, 42

University Hospital and Hillman Clinic..... Birmingham, Ala.
University Hospital ..... Little Rock, Ark.
Childrens Hospital ..... Los Angeles
Stanford University Hospitals..... San Francisco
University of California Hospital..... San Francisco
Grace-New Haven Community Hospital..... New Haven, Conn.
Grady Memorial Hospital..... Atlanta, Ga.
Michael Reese Hospital..... Chicago
University of Chicago Clinics..... Chicago
Louisville General Hospital..... Louisville, Ky.
Baltimore City Hospitals..... Baltimore
Johns Hopkins Hospital..... Baltimore
Sinai Hospital ..... Baltimore
University Hospital ..... Baltimore

PEDIATRICS—Continued

Boston City Hospital..... Boston
Children's Medical Center..... Boston
Massachusetts General Hospital..... Boston
Northwestern Hospital ..... Minneapolis
University of Minnesota Hospitals..... Minneapolis
St. Louis Children's Hospital..... St. Louis
St. Mary's Group of Hospitals..... St. Louis
Jersey City Hospital..... Jersey City, N. J.
Cumberland Hospital ..... Brooklyn
Jewish Hospital ..... Brooklyn
Kings County Hospital Center..... Brooklyn
Long Island College Hospital..... Brooklyn
Methodist Hospital ..... Brooklyn
St. John's Episcopal Hospital..... Brooklyn
Bellevue Hospital Center—Division III—Pediatrics
New York University College of Medicine..... New York City
New York Hospital..... New York City
Strong Memorial-Rochester Municipal Hospitals..... Rochester, N. Y.
State University of New York Upstate Medical Center.... Syracuse, N. Y.
North Carolina Memorial Hospital..... Chapel Hill, N. C.
Duke Hospital ..... Durham, N. C.
North Carolina Baptist Hospital..... Winston-Salem, N. C.
University Hospitals ..... Cleveland
St. Thomas Hospital..... Nashville, Tenn.
Vanderbilt University Hospital..... Nashville, Tenn.
Children's Medical Center..... Dallas, Texas
Jefferson Davis Hospital..... Houston, Texas
Salt Lake County General Hospital..... Salt Lake City
Milwaukee Children's Hospital..... Milwaukee

SURGERY

Number of Approved Programs, 60

Stanford University Hospitals..... San Francisco
University of California Hospital..... San Francisco
Bridgeport Hospital ..... Bridgeport, Conn.
Grace-New Haven Community Hospital..... New Haven, Conn.
Grady Memorial Hospital..... Atlanta, Ga.
Emory University Hospital..... Emory University, Ga.
Michael Reese Hospital..... Chicago
Mount Sinai Hospital..... Chicago
Provident Hospital ..... Chicago
Indiana University Medical Center..... Indianapolis
Johns Hopkins Hospital..... Baltimore
Sinai Hospital ..... Baltimore
Beth Israel Hospital..... Boston
Boston City Hospital..... Boston
Massachusetts General Hospital..... Boston
Massachusetts Memorial Hospitals..... Boston
New England Center Hospital..... Boston
Peter Bent Brigham Hospital..... Boston
Northwestern Hospital ..... Minneapolis
University of Minnesota Hospitals..... Minneapolis
St. Joseph Hospital..... Kansas City, Mo.
Barnes Hospital ..... St. Louis
St. Mary's Group of Hospitals..... St. Louis
Jersey City Hospital..... Jersey City, N. J.
Albany Hospital ..... Albany, N. Y.
Cumberland Hospital ..... Brooklyn
Kings County Hospital Center..... Brooklyn
Long Island College Hospital..... Brooklyn
Methodist Hospital ..... Brooklyn
St. John's Episcopal Hospital..... Brooklyn
Buffalo General Hospital..... Buffalo
Queens Hospital Center..... Jamaica, N. Y.
Charles S. Wilson Memorial Hospital..... Johnson City, N. Y.
Bellevue Hospital Center—Division I—Surgical
Columbia University ..... New York City
Bellevue Hospital Center Division II—Surgical
Cornell University ..... New York City
Bellevue Hospital Center Division III—Surgical
New York University College of Medicine..... New York City
Bellevue Hospital Center Division IV—Surgical
New York University Postgraduate Medical School.... New York City
Lebanon Hospital ..... New York City
Mount Sinai Hospital..... New York City
New York Hospital..... New York City
Presbyterian Hospital ..... New York City
St. Clare's Hospital..... New York City
St. Vincent's Hospital..... New York City
Genesee Hospital ..... Rochester, N. Y.
Highland Hospital ..... Rochester, N. Y.
Strong Memorial-Rochester Municipal Hospitals..... Rochester, N. Y.
State University of New York Upstate Medical Center.... Syracuse, N. Y.
North Carolina Memorial Hospital..... Chapel Hill, N. C.
Duke Hospital ..... Durham, N. C.
Watts Hospital ..... Durham, N. C.
North Carolina Baptist Hospital..... Winston-Salem, N. C.
University Hospitals ..... Cleveland
Baptist Memorial Hospital..... Memphis, Tenn.
St. Thomas Hospital..... Nashville, Tenn.
Vanderbilt University Hospital..... Nashville, Tenn.
Baylor University Hospital..... Dallas, Texas
Jefferson Davis Hospital..... Houston, Texas
Methodist Hospital ..... Houston, Texas
University of Virginia Hospital..... Charlottesville, Va.
Medical College of Virginia—Hospital Division..... Richmond, Va.

APPROVED RESIDENCIES AND FELLOWSHIPS

Council on Medical Education and Hospitals of the American Medical Association

535 North Dearborn Street, Chicago 10

Revised to September 1, 1955

Hospitals, 1,201; Assistant Residencies, Residencies and Fellowships, 25,841

The following services are approved by the Council on Medical Education and Hospitals as meeting the requirements of the Essentials of Approved Residencies and Fellowships. In those specialties in which certifying boards have been established approval is extended in concurrence with the Board concerned as indicated. The number of years of training for which approval has been granted is indicated in the column, "Length of Approved Program (years)." Residencies in which this designation does not appear have been approved without specifying the number of years for which they are accredited. The beginning stipends for Federal hospitals have not been listed; they are established in accordance with government pay tables. For information on affiliate services, refer to pages 356 to 363.

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1. ALLERGY

The following services have been approved for one year of training by the Council and the Subspecialty Board for Allergy of the American Board of Internal Medicine.

Hospitals, 18; Assistant Residencies and Residencies, 32

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [5]	Total Residencies Offered [5]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Army Medical Center Hospital [1-3]	Washington, D. C.	W. H. Diessner	...	13,130	2	2	...
UNITED STATES NAVY							
U. S. Naval Hospital [1]	San Diego, Calif.		.....	.....	..	..	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	B. F. Klaumann	322	3,500	..	1	...
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern Medical Center)					
Veterans Admin. Hospital [1]	Pittsburgh	L. H. Criep	150	.....	2	2	...
NONFEDERAL							
Northwestern University Medical Center [1-3]	Chicago	S. Feinberg	...	3,818	2	2	...
Veterans Admin. Research Hospital [1]	Chicago	S. Feinberg	...	.....	..	1	...
University of Illinois Research and Educational Hospitals [1]	Chicago	M. Samter	...	6,466	1	1	...
Massachusetts General Hospital [1-3]	Boston	W. S. Burrage	...	7,316	1	1	...
University Hospital [1-3]	Ann Arbor, Mich.	J. M. Sheldon	...	9,420	2	2	218
Mayo Foundation [1-3]	Rochester, Minn.		...	.....	2	4	150
Jewish Hospital [1-3]	Brooklyn	M. Walzer	35	.....	1	1	75
New York University-Bellevue Medical Center University Hospital [1-3]	New York City	W. C. Spain	...	6,530	..	2	250
Roosevelt Hospital [1-3]	New York City	R. A. Cooke	205	40,796	4	4	200
Duke University Hospital [1-3]	Durham, N. C.	O. C. E. Hansen-Pruss	150	1,576	..	2	200
Temple University Hospital [1-3]	Philadelphia	L. Tuft	...	3,792	1	1	...
Montefiore Hospital [1-3]	Pittsburgh	L. H. Criep	177	16,750	2	2	125
University of Virginia Hospital [1-3]	Charlottesville, Va.	O. Swineford, Jr.	...	810	3	3	50
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	M. E. B. Owens	...	6,180	..	1	100

2. ANESTHESIOLOGY

The following services have been approved by the Council and the American Board of Anesthesiology for two years of training.

Hospitals, 191; Assistant Residencies and Residencies, 1,068

Name of Hospital	Location	Chief of Service	Total Anesthetics	Inhalation Anesthetics	First Year Residencies Offered [5]	Total Residencies Offered [5]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Letterman Army Hospital [1]	San Francisco	D. E. McQuigg	6,537	2,480	..	2	...
Fitzsimons Army Hospital [1]	Denver	E. P. Shannon, Jr.	5,334	2,930	..	..	...
Army Medical Center [1-3]	Washington, D. C.	H. C. Slocum	10,596	7,948	4	10	...
Brooke Army Hospital [1-3]	San Antonio, Texas	J. G. Inman	6,781	4,040	4	10	...
UNITED STATES AIR FORCE							
U. S. Air Force Hospital [3]	San Antonio, Texas	A. B. Tarrow	5,952	1,624	1	2	...

Numerical and other references will be found on page 363.

2. ANESTHESIOLOGY—Continued

Name of Hospital	Location	Chief of Service	Total Anesthetics	Inhalation Anesthetics	First Year Residencies Offered [5]	Total Residencies Offered [4]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES NAVY							
U. S. Naval Hospital [1]	Oakland, Calif.	J. J. Marra	11,449	1,216	..	..	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	D. P. Todd	10,443	3,121	1	2	...
U. S. Naval Hospital [1]	Chelsea, Mass.	P. F. D'Elia	4,322	1,404	1	2	...
U. S. Naval Hospital	St. Albans, N. Y.	D. M. Pino	4,773	700	2	3	...
UNITED STATES PUBLIC HEALTH SERVICE							
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	W. A. Cull	6,978	1,922	2	4	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Los Angeles	N. H. Rupp	6,070	713	6	12	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	K. Byers	1,626	881	1	2	...
Veterans Admin. Hospital [1]	Hines, Ill.	M. Sadove	12,863	1,593	5	10	...
Veterans Admin. Hospital [1]	Des Moines, Iowa	J. L. Bailey	2,660	503	5	7	...
Veterans Admin. Hospital	Iowa City	S. C. Cullen	(See University Hospitals)				
Veterans Admin. Hospital [1-3]	St. Louis	H. W. Crouch	1,618	527	2	4	...
Veterans Admin. Hospital [1-3]	Brooklyn	H. I. Lipson	2,984	1,148	3	6	...
Veterans Admin. Hospital [1-3]	Buffalo	S. I. Guest	3,134	509	2	4	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	E. A. Rovenstine	6,108	1,623	5	10	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)					
Veterans Admin. Hospital [1]	White River Junction, Vt.	R. E. Lapointe	1,358	456	1	2	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	C. G. Lynch	3,287	812	1	3	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	R. Foregger-R. C. Tella	3,525	1,338	4	6	...
NONFEDERAL							
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	A. McNeal	9,350	5,672	1	3	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	E. Robinson, Jr.-R. Grady	3,345	1,856	1	2	225
St. Vincent Infirmary [1-3]	Little Rock, Ark.	J. P. Hickey	4,045	967	6	12	300
University Hospital [1-3]	Little Rock, Ark.	C. W. Shafer	1,928	1,407	3	5	145
Los Angeles County General Hospital [1]	Los Angeles	J. S. Denson	14,688	6,858	8	18	200
White Memorial Hospital [1-3]	Los Angeles	F. E. Leffingwell	4,947	2,423	3	6	146
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	E. E. Brinckerhoff	3,609	1,369	2	4	195
Samuel Merritt Hospital [1]	Oakland, Calif.	B. M. Anderson	6,122	4,472	3	6	195
Mount Zion Hospital [1-3]	San Francisco	A. J. Harris	4,951	3,419	1	2	150
St. Francis Memorial Hospital [1-3]	San Francisco	J. E. Cann	5,750	5,520	2	2	250
St. Joseph's Hospital [1-3]	San Francisco	R. A. Simpson	4,081	1,822	1	2	150
Stanford University Hospitals [1-3]	San Francisco	P. J. Bailey	7,460	4,191	1	4	80
University of California Hospital [1-3]	San Francisco	F. J. Murphy	5,789	4,469	4	7	87
Santa Clara County Hospital [1]	San Jose, Calif.	J. Atkinson	1,814	3,428	2	2	...
Community Hospital of San Mateo County [1-3]	San Mateo, Calif.	W. H. Cassels	1,278	903	1	2	400
University of Colorado Medical Center							
Colorado General Hospital [1-3]	Denver	R. W. Virtue	2,371	1,740	2	6	150
Denver General Hospital [1-3]	Denver	R. W. Virtue	2,493	1,605	..	..	...
Bridgeport Hospital [1-3]	Bridgeport, Conn.	D. L. Massey	5,698	2,676	1	2	240
Hartford Hospital [1-3]	Hartford, Conn.	R. M. Tovell	37,979	17,032	12	24	100
St. Francis Hospital [1-3]	Hartford, Conn.	S. J. Martin	15,754	7,069	6	12	100
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	L. J. Hampton	11,911	9,767	4	7	50
Hospital of St. Raphael [3]	New Haven, Conn.	M. Garofalo	9,328	7,035	2	4	150
District of Columbia General Hospital	Washington, D. C.	S. N. Albert	5,166	3,192	3	5	143
Doctors Hospital [1-3]	Washington, D. C.	D. Stubbs	8,481	6,955	1	2	150
Garfield Memorial Hospital [1-3]	Washington, D. C.	W. E. Bageant	4,055	3,798	2	3	300
Georgetown University Hospital [3]	Washington, D. C.	T. F. McDermott	7,948	3,200	5	10	20
George Washington University Hospital [1-3]	Washington, D. C.	C. S. Coakley	10,586	9,016	4	9	150
Jackson Memorial Hospital [1-3]	Miami, Fla.	R. S. Sappenfield	12,847	8,185	2	4	75
University Hospital [1-3]	Augusta, Ga.	P. P. Volpitto	7,447	5,163	4	7	160
American Hospital [1-3]	Chicago	A. Rappaport	2,594	1,687	5	6	...
Grant Hospital [1-3]	Chicago	O. Gleave	4,457	3,430	2	2	225
Michael Reese Hospital [1-3]	Chicago	B. Stodsky	9,678	6,190	1	1	100
Mount Sinai Hospital [1-3]	Chicago	R. Weyl	5,875	5,272	3	6	100
Northwestern University Medical Center							
Chicago Wesley Memorial Hospital [1-3]	Chicago	M. Karp	10,632	9,209	2	4	50
St. Luke's Hospital [1-3]	Chicago	P. W. Searles	6,359	5,302	3	9	50
University of Chicago Clinics [1-3]	Chicago	E. T. Morch	9,174	5,892	4	9	175
University of Illinois Research and Educational Hospitals [1]	Chicago	M. S. Sadove	3,732	3,200	6	11	...
Evanston Hospital [1-3]	Evanston, Ill.	C. Baldwin	6,385	1,587	1	2	...
St. Joseph's Hospital	Joliet, Ill.	L. D. Ruttle	6,253	5,127	2	4	350
Indianapolis General Hospital [1-3]	Indianapolis	L. Mueller	12,852	3,824	2	4	210
Indiana University Medical Center [1]	Indianapolis	V. K. Stoelting	9,072	6,841	7	14	165
Memorial Hospital [1]	South Bend, Ind.	G. M. Rosenheimer	6,845	5,473	2	2	250
University Hospitals [1-3]	Iowa City	S. C. Cullen	10,980	6,925	7	14	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	P. Lorhan	7,628	3,588	2	8	125
Louisville General Hospital [1-3]	Louisville, Ky.	R. P. Bergner	7,000	6,000	3	6	83
Charity Hospital of Louisiana [1]	New Orleans	J. Adriani	22,000	10,000	6	12	125
Ochsner Foundation Hospital [1]	New Orleans	G. B. Grant	4,121	1,540	3	6	200
Eastern Maine General Hospital [1]	Bangor, Maine	C. S. Dwyer	6,431	3,216	1	2	100
Central Maine General Hospital [1]	Lewiston, Maine	G. Clapperton	4,322	3,394	1	2	150
Maine General Hospital [1]	Portland, Maine	J. R. Lincoln	6,042	3,825	2	4	100
University Hospital [1-3]	Baltimore	R. B. Dodd	8,543	2,596	4	8	150
Boston City Hospital [1-3]	Boston	P. S. Marcus	11,462	7,887	..	12	163
Lahey Clinic [1-3]	Boston	U. H. Eversole	18,749	5,739	6	12	175
Massachusetts General Hospital [1-3]	Boston	H. K. Beecher	14,770	9,000	8	16	66.67
Massachusetts Memorial Hospitals [1-3]	Boston	J. Arrowood	3,645	2,702	3	8	75
New England Center Hospital [1-3]	Boston	B. E. Etsten	3,210	2,247	1	6	167
New England Deaconess Hospital [1-3]	Boston	L. V. Hand-F. J. Audin	5,534	2,606	3	6	200
New England Hospital [1-3]	Boston	E. Bartlett	3,299	2,793	1	2	50
Peter Bent Brigham Hospital [1-3]	Boston	L. D. Vandam	3,282	2,307	2	4	42
St Elizabeth's Hospital [1-3]	Boston	L. P. Zentgraf	10,622	3,877	3	3	125
Cambridge City Hospital [1-3]	Cambridge, Mass.	D. R. Branch	13,279	1,084	2	2	...
Mount Auburn Hospital [1-3]	Cambridge, Mass.	J. H. Buskirk	4,925	2,906	1	4	125
Holyoke Hospital [1-3]	Holyoke, Mass.	M. G. Black	3,268	1,554	..	2	100
Newton-Wellesley Hospital [1-3]	Newton Lower Falls, Mass.	J. E. Shaw	5,250	3,146	1	2	170
Springfield Hospital [1-3]	Springfield, Mass.	H. N. Memery	8,357	2,591	1	1	125
St. Vincent Hospital [1-3]	Worcester, Mass.	W. J. Martin, Jr.	6,199	3,130	3	6	175
Worcester City Hospital [3]	Worcester, Mass.	W. Allegree	6,234	2,225	2	2	215
University Hospital	Ann Arbor, Mich.	R. B. Sweet	10,053	4,023	3	6	145
Detroit Memorial Hospital [1]	Detroit	E. J. Agnone	7,362	4,985	1	2	250
Harper Hospital [1-3]	Detroit	A. B. Stearns	15,975	5,986	1	2	225
Henry Ford Hospital [1-3]	Detroit	P. Dumke	15,010	5,594	4	8	225
Providence Hospital [1-3]	Detroit	N. M. Bittrick	10,308	2,925	2	4	250
Receiving Hospital [1-3]	Detroit	F. E. Greifenstein	8,467	1,725	5	12	270
Butterworth Hospital [1-3]	Grand Rapids, Mich.	M. L. Byrd	10,734	4,287	1	2	225
University of Minnesota Hospitals [1-3]	Minneapolis	F. Van Bergen	18,403	13,251	12	28	182

Numerical and other references will be found on page 363.

2. ANESTHESIOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Total Anesthetics	Inhalation Anesthetics	First Year Residencies Offered [4]	Total Residencies Offered [4]	Beginning Stipend (Month)
Mayo Foundation [1-3]	Rochester, Minn.	A. Faulconer, Jr.	30,375	20,000	8	15	150
Research Hospital [1-3]	Kansas City, Mo.	M. C. Peterson	6,687	3,366	1	2	150
St. John's Hospital [1-3]	St. Louis	S. Brown	5,280	2,235	1	1	280
University of Nebraska Hospital [1-3]	Omaha	H. H. Davis	2,105	1,480	1	2	...
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	R. H. Barrett	3,703	1,781	2	4	188
Jersey City Medical Center [1-3]	Jersey City, N. J.	W. J. Gleeson	6,353	3,931	3	5	92
St. Joseph Hospital [1-3]	Paterson, N. J.	E. T. Lawless	6,236	3,656	2	3	150
Albany Hospital [1-3]	Albany, N. Y.	G. Converse	7,599	5,254	4	9	...
Beth-El Hospital [1-3]	Brooklyn	A. C. Goldfeder	7,360	2,789	2	3	125
Jewish Hospital [1-3]	Brooklyn	I. M. Pallin	13,100	8,578	4	8	100
Kings County Hospital							
County Division	Brooklyn	M. Harmel	.....	.....	5	10	...
Maimonides Hospital [1-3]	Brooklyn	L. Holzmann	8,627	4,958	..	3	75
St. Catherine's Hospital [1-3]	Brooklyn	F. P. Ansbro	3,632	1,701	2	4	125
Buffalo General Hospital [1-3]	Buffalo	R. N. Terry	13,393	7,597	1	2	175
Edward J. Meyer Memorial Hospital [1]	Buffalo	E. D. Babbage	3,232	2,763	2	5	179
Millard Fillmore Hospital [1-3]	Buffalo	E. D. Babbage	11,595	1,587	1	2	235
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	E. Apogi	9,118	7,808	1	2	150
Bellevue Hospital Center							
Division IV—New York University Post-Graduate Medical School [1-3]	New York City	E. A. Rovenstine	19,200	10,100	10	22	105
Beth Israel Hospital [1-3]	New York City	S. G. Hershey	6,269	4,846	2	4	135
Flower and Fifth Avenue Hospitals [1-3]	New York City	D. E. Brace	7,606	3,240	1	2	...
Harlem Hospital [1]	New York City	H. D. Mayer	7,000	3,500	2	4	105
Hospital for Joint Diseases [1-3]	New York City	A. M. Betcher	3,187	2,286	2	3	80
Lenox Hill Hospital [1-3]	New York City	M. Frick	8,695	6,358	2	3	180
Memorial Center for Cancer and Allied Diseases [1-3]	New York City	S. W. Howland	7,356	3,223	3	7	200
Metropolitan Hospital [1-3]	New York City	D. E. Brace	5,069	2,395	5	10	104
Montefiore Hospital [1-3]	New York City	E. Kepes	2,042	1,508	2	3	75
Mount Sinai Hospital [1-3]	New York City	M. Aaelman	11,092	4,848	4	7	50
New York City Hospital [1-3]	New York City	D. Bizzarri	2,613	1,218	2	4	345
New York Hospital [1-3]	New York City	J. F Artusio	9,628	6,102	5	10	34
New York Polyclinic Medical School and Hospital [1-3]	New York City	J. Milowsky	6,481	4,607	3	6	...
Presbyterian Hospital [1-3]	New York City	E. M. Papper	22,698	15,634	11	26	208
St. Clare's Hospital [1-3]	New York City	G. A. Keating	3,241	1,412	1	2	125
St. Luke's Hospital [1-3]	New York City	G. E. Burford	5,413	4,061	2	4	75
St. Vincent's Hospital [1-3]	New York City	V. J. Collins	3,910	2,795	3	6	150
Genesee Hospital [1]	Rochester, N. Y.	E. Kistler	5,671	4,003	1	1	75
*Highland Hospital [1-3]	Rochester, N. Y.	H. E. Root	5,037	3,964	1	1	100
St. Mary's Hospital [1]	Rochester, N. Y.	.....	9,405	7,010	2	4	...
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	N. M. Greene	8,222	5,920	3	4	...
Ellis Hospital [1-3]	Schenectady, N. Y.	H. A. Snell	7,341	4,856	1	2	150
State Univ. of New York Upstate Medical Center Hosp. [1-3]	Syracuse, N. Y.	E. J. Delmonico	9,209	6,172	2	6	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	H. F. Bishop	1,723	625	1	3	175
North Carolina Memorial Hospital	Chapel Hill, N. C.	D. A. Davis	2,265	2,000	2	4	145
Duke University Hospital [1-3]	Durham, N. C.	C. R. Stephen	9,249	8,327	6	11	100
North Carolina Baptist Hospital [1-3]	Winston-Salem, N. C.	R. L. Wall	5,462	1,646	..	..	...
Mercy Hospital [1-3]	Canton, Ohio	L. L. Frick	5,293	4,298	1	2	200
Christ Hospital [1]	Cincinnati	L. E. Larrick	10,413	3,058	1	2	200
City Hospital [1-3]	Cleveland	H. Kretchmer	3,572	1,630	..	4	213
Cleveland Clinic Hospital [1-3]	Cleveland	D. E. Hale	7,434	4,640	3	6	175
Mount Sinai Hospital [1]	Cleveland	S. Katz	11,261	9,751	2	4	215
St. Luke's Hospital [1]	Cleveland	B. B. Sankey	13,440	6,486	2	4	180
University Hospitals [1-3]	Cleveland	R. A. Hingson	15,577	12,752	5	10	125
Ohio State University Hospitals							
University Hospitals [1-3]	Columbus, Ohio	J. J. Jacoby	10,677	8,178	10	19	150
Huron Road Hospital [1-3]	East Cleveland, Ohio	R. J. Whitacre	9,645	5,884	5	10	150
Marymount Hospital [3]	Garfield Heights, Ohio	N. G. De Piero	5,021	3,205	2	4	...
Youngstown Hospital [1-3]	Youngstown, Ohio	A. J. Fisher	14,515	6,358	2	4	175
University Hospitals [1-3]	Oklahoma City	H. A. Bennett	5,917	4,991	4	8	85
Univ. of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	F. P. Haugen	5,403	2,744	3	6	...
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	J. M. Schwab	5,111	965	2	4	125
Albert Einstein Medical Center—Southern Division [1-3]	Philadelphia	B. Goldstein	5,623	4,436	4	4	200
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	H. H. Stone	6,139	5,464	2	4	100
Hahnemann Medical College and Hospital [3]	Philadelphia	H. L. Ruth	10,078	2,806	6	14	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	R. Dripps	15,395	7,100	7	21	125
Pennsylvania Hospital [1-3]	Philadelphia	M. V. Troncelliti	9,274	5,111	2	2	100
Philadelphia General Hospital [1-3]	Philadelphia	E. H. Conner	5,960	2,256	3	6	112.86
Presbyterian Hospital [1-3]	Philadelphia	S. Schotz	5,810	5,023	2	4	100
Temple University Hospital [1-3]	Philadelphia	L. W. Krumperman	12,707	6,252	2	6	...
Allegheny General Hospital [1]	Pittsburgh	R. L. Patterson	12,782	5,123	6	6	200
Mercy Hospital [1-3]	Pittsburgh	F. F. Foldes	11,841	2,818	4	8	175
Montefiore Hospital [1-3]	Pittsburgh	L. David	6,030	4,875	2	2	125
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	G. J. Thomas	10,766	4,740	1	3	200
Reading Hospital [1-3]	Reading, Pa.	M. Kerry	7,801	4,592	1	2	225
Robert Packer Hospital [1-3]	Sayre, Pa.	W. Brehm	7,179	3,219	2	4	150
Miriam Hospital [1-3]	Providence, R. I.	N. S. Rakatansky	3,374	1,400	1	1	200
Rhode Island Hospital [1-3]	Providence, R. I.	M. Saklad	9,535	4,227	1	4	100
Roper Hospital [1-3]	Charleston, S. C.	J. C. Doerr	6,556	3,709	1	2	83
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	F. S. Brannen	6,526	3,238	4	6	125
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	B. H. Robbins	5,606	4,297	2	4	50
Baylor University Hospital [1-3]	Dallas, Texas	R. F. Courtin	18,530	14,969	1	2	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	M. T. Jenkins	3,021	1,750	4	6	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	C. R. Allen	6,207	5,214	5	11	...
Baylor University College of Medicine Affiliated Hospitals							
Veterans Admin. Hospital [1-3]	Houston, Texas	G. E. Bittenbender	4,616	820	2	4	...
Hermann Hospital [1]	Houston, Texas	L. F. Schuhmacher	17,206	5,173	2	4	100
Baptist Memorial Hospital	San Antonio, Texas	G. B. Ladd	5,996	4,273	1	2	150
Scott and White Memorial Hospitals [1-3]	Temple, Texas	C. H. Gillespie	5,775	3,970	2	4	250
Bishop DeGoesbriand Hospital [1-3]	Burlington, Vt.	J. Abajian	2,862	1,121	1	3	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	J. Abajian	3,303	1,792	3	4	100
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	W. E. Pembleton	11,728	2,081	..	5	75
Doctors Hospital [1-3]	Seattle	P. C. Kundahl	4,711	2,877	1	2	125
King County Hospital, Unit No. 1 (Harborview) [1]	Seattle	L. E. Morris	2,951	1,578	4	6	110
Virginia Mason Hospital [1-3]	Seattle	D. C. Moore	6,236	3,189	3	6	125
Tacoma General Hospital [1-3]	Tacoma, Wash.	J. J. Bonica	6,075	2,654	3	7	200
Ohio Valley General Hospital [1-3]	Wheeling, W. Va.	D. E. Greenelch	6,786	4,750	2	4	800
University Hospitals [1]	Madison, Wis.	O. S. Orth	5,718	5,014	4	11	50
San Juan City Hospital [1-3]	San Juan, P. R.	F. J. Gonzalez	2,816	1,129	1	2	150

* One year provisional approval.

Numerical and other references will be found on page 363.

3. CARDIOVASCULAR DISEASES

The following services have been approved for one year of training by the Council and the Subspecialty Board for Cardiovascular Disease of the American Board of Internal Medicine.

Hospitals, 30; Assistant Residencies and Residencies, 53

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Letterman Army Hospital [1]	San Francisco	B. E. Pollock	380	..	..	1	...
Fitzsimons Army Hospital [1]	Denver	E. M. Goyette	387	6	..	..	...
Army Medical Center [1-3]	Washington, D. C.	T. W. Mattingly	598	53	2	2	...
Brooke Army Hospital [1-3]	San Antonio, Texas	W. J. Walker	459	39	..	2	...
UNITED STATES NAVY							
U. S. Naval Hospital [1-3]	Bethesda, Md.	A. Zikmund	...	32	1	1	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	D. S. Pocock	922	95	..	1	...
Veterans Admin. Hospital [1]	Hines, Ill.	L. A. Baker	1,246	93	1	1	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	K. Plummer	908	84	..	2	...
NONFEDERAL							
George Washington University Hospital [1-3]	Washington, D. C.	J. M. Evans	443	40	..	3	150
Michael Reese Hospital [1-3]	Chicago	L. N. Katz	872	47	..	..	...
Indianapolis General Hospital [1-3]	Indianapolis	K. Kohlstaedt	...	..	..	1	165
Beth Israel Hospital	Boston	H. L. Blumgart	680	..	..	2	50
Henry Ford Hospital [1-3]	Detroit	J. W. Keyes	1,196	78	5	7	225
Irvington House [1-3]	Irvington-on-Hudson, N. Y.	A. C. DeGraff	300	..	..	3	250
Lenox Hill Hospital [1-3]	New York City	C. E. Kossmann	...	..	1	1	180
St. Luke's Hospital [1-3]	New York City	G. J. Coffin	...	..	2	2	196
St. Francis Hospital and Sanatorium for Cardiac Children [1-3]	Roslyn, L. I., N. Y.	L. M. Taran	270	2	3	3	250
Duke University Hospital [1-3]	Durham, S. C.	E. S. Orgain	309	16	..	3	300
Cincinnati General Hospital [1-3]	Cincinnati	.....	517	60	..	..	...
Cleveland Clinic Hospital [1-3]	Cleveland	I. H. Page	1,100	27	1	2	175
Ohio State University Hospitals University Hospitals [1-3]	Columbus, Ohio	R. W. Kissane	...	..	..	1	225
White Cross Hospital [1-3]	Columbus, Ohio	R. W. Kissane	472	13	1	1	275
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	S. Bellet	258	2	2	2	...
Pennsylvania Hospital [1-3]	Philadelphia	J. B. Van der Veer	441	2	2	2	20
Philadelphia General Hospital [1-3]	Philadelphia	S. Bellet	...	..	3	3	113
Temple University Hospital [1-3]	Philadelphia	R. A. Kern	...	..	1	1	...
Presbyterian Hospital [1-3]	Pittsburgh	A. Koenig	566	34	1	1	125
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	A. P. D'Zmura	4,624	..	..	1	250
Rhode Island Hospital [1-3]	Providence, R. I.	F. B. Cutts	4,770	..	1	1	150
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	G. R. Herrmann	...	..	..	3	...

4. CONTAGIOUS DISEASES

The following services have been approved for one year of training by the Council on Medical Education and Hospitals.

Hospitals, 10; Assistant Residencies and Residencies, 29

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Beginning Stipend (Month)
NONFEDERAL							
Children's Hospital [1-3]	San Francisco	E. B. Shaw	456	11	1	1	125
Cook County Hospital [1-3]	Chicago	A. L. Hoyne	949	38	1	1	...
Municipal Contagious Disease Hospital [1]	Chicago	H. W. Spies	2,001	28	..	..	...
Massachusetts Memorial Hospitals [1-3]	Boston	L. Weinstein	738	12	..	4	25
Worcester City Hospital [1-3]	Worcester, Mass.	E. Budnitz	676	9	1	1	225
Herman Kiefer Hospital [1-3]	Detroit	D. C. Young	1,587	44	3	3	505
Essex County Hospital for Contagious Diseases [1-3]	Belleville, N. J.	E. L. Smith	1,325	16	2	2	200
Willard Parker Hospital [1-3]	New York City	J. L. Kohn	5,729	18	10	10	157
City Hospital [1-3]	Cleveland	F. C. Robbins	937	24	4	5	150
Philadelphia General Hospital—Northern Division [1-3]	Philadelphia	A. C. La Boccetta	1,072	7	2	2	...

5. DERMATOLOGY AND SYPHILOLOGY

The following services have been approved by the Council and the American Board of Dermatology and Syphilology, through the Residency Review Committee for Dermatology and Syphilology, as offering acceptable training in the specialty.

Hospitals, 75; Assistant Residencies and Residencies, 253

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
UNITED STATES ARMY								
Army Medical Center [1-3]	Washington, D. C.	F. H. Grauer	314	9,665	2	7	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	M. P. Moursund	238	12,992	1	2	3	...
UNITED STATES NAVY								
U. S. Naval Hospital [1]	San Diego, Calif.	J. H. Lockwood	514	14,088	..	..	2	...
U. S. Naval Hospital [1]	Philadelphia	C. D. Bell	141	6,493	..	..	2	...
UNITED STATES PUBLIC HEALTH SERVICE								
U. S. Public Health Service Hospital [1-3]	Stapleton, S. I., N. Y.	B. J. Chester	519	9,391	1	3	2	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	C. W. Freeman	26	4,527	1	1	2	...

Numerical and other references will be found on page 363.

5. DERMATOLOGY AND SYPHILOLOGY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	B. F. Klaumann	432	5,464	1	3	3	...
Veterans Admin. Hospital [1-3]	Los Angeles	E. T. Wright	393	10,244	3	7	3	...
Veterans Admin. Hospital [1]	Hines, Ill.	E. A. Oliver	876	.....	1	2	1	...
Veterans Admin. Hospital [1-3]	New Orleans	C. B. Kennedy	47	455	1	1	1	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	M. Sullivan	82	11	1	2	3	...
Veterans Admin. Hospital [1-3]	Minneapolis	H. E. Michelson	196	113	1	2	3	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	O. Canizares	410	2,788	1	3	3	...
Veterans Admin. Hospital [1-3]	Philadelphia	.....	154	.....	..	1	1	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	J. Kanter	496	230	1	2	2	...
NONFEDERAL								
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	R. O. Noojin	132	2,380	1	3	2	166
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	P. G. Reque	109	4,904	1	1	1	225
Los Angeles County General Hospital [1]	Los Angeles	A. F. Hall	660	15,848	2	3	3	200
White Memorial Hospital [1-3]	Los Angeles	M. Couperus	32	4,608	1	2	2	146
Stanford University Hospitals [1-3]	San Francisco	E. M. Farber	72	8,455	2	5	3	80
University of California Hospital [1-3]	San Francisco	R. B. Rees, Jr.	58	.....	2	4	3	87
University of Colorado Medical Center Colorado General Hospital [1-3]	Denver	O. S. Philpott	17	306	1	2	1	150
Georgetown University Hospital [3]	Washington, D. C.	F. J. Eichenlaub	24	1,542	1	2	2	20
Cook County Hospital [1-3]	Chicago	S. M. Bluefarb	720	7,580	3	3	3	...
Michael Reese Hospital [1-3]	Chicago	A. Buchholz	174	3,180	1	1	1	75
Northwestern University Medical Center [1]	Chicago	H. Rattner	...	2,883	2	6	3	...
University of Chicago Clinics [1-3]	Chicago	S. Rothman	193	9,100	3	9	3	175
University of Illinois Research and Educational Hospitals [1]	Chicago	F. E. Senear	34	10,507	1	1	3	...
Indianapolis General Hospital [1-3]	Indianapolis	J. Dalton	70	9,135	1	3	3	165
University Hospitals [1-3]	Iowa City	R. Nomland	322	3,363	1	3	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	R. Sutton	19	544	1	1	1	125
Charity Hospital of Louisiana Independent Unit [1]	New Orleans	V. M. Henington	38	6,886	1	2	3	100
Louisiana State University Unit [1]	New Orleans	C. B. Kennedy	179	11,187	1	3	3	100
Tulane University Unit [1]	New Orleans	G. E. Burch	159	12,918	1	3	3	100
University Hospital [1-3]	Baltimore	H. M. Robinson, Jr.	...	732	..	2	2	50
Boston City Hospital [1-3]	Boston	B. Appel	151	20,653	1	3	3	112
Massachusetts General Hospital [1-3]	Boston	C. N. Frazier	372	9,885	1	4	3	66.67
Massachusetts Memorial Hospitals [1-3]	Boston	H. Mescon	...	1,842	1	2	1	50
University Hospital [1-3]	Ann Arbor, Mich.	A. C. Curtis	561	6,301	4	12	3	145
Henry Ford Hospital [1-3]	Detroit	C. S. Livingood	159	20,959	2	6	3	225
Receiving Hospital [1-3]	Detroit	L. W. Shaffer	8	5,770	1	6	3	200
Minneapolis General Hospital [1-3]	Minneapolis	C. W. Laymon	180	3,687	1	2	3	182
University of Minnesota Hospitals [1-3]	Minneapolis	H. E. Michelson	146	1	1	4	3	162
Mayo Foundation [1-3]	Rochester, Minn.	L. A. Brunsting	708	21,233	0	16	3	150
Ancker Hospital [1-3]	St. Paul	J. F. Madden	243	2,894	..	1	3	181
Barnes Hospital [1-3]	St. Louis	C. W. Lane	...	.....	1	3	3	50
St. Mary's Group of Hospitals [1-3]	St. Louis	G. V. Stryker	97	4,103	1	3	3	100
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	W. C. Lobitz, Jr.	348	6,597	1	3	3	188
Kings County Hospital County Service	Brooklyn	C. Chiramonte	...	.....	2	2	1	...
Edward J. Meyer Memorial Hospital [1]	Buffalo	E. D. Osborne	104	.....	1	3	3	179
Bellevue Medical Center Division IV—New York University Post-Graduate Medical School [1-3]	New York City	M. B. Sulzberger	366	22,914	2	7	3	71
Mount Sinai Hospital [1]	New York City	S. M. Peck	100	7,274	1	2	2	50
New York City Hospital	New York City	F. P. Lowenfish	498	7,435	1	2	1	104
New York Hospital [1-3]	New York City	G. Lewis	...	17,382	1	1	3	...
New York Polyclinic Medical School and Hospital [1-3]	New York City	A. C. Cipollaro	10	5,925	1	3	3	...
New York University-Bellevue Medical Center University Hospital (Skin and Cancer) [1-3]	New York City	M. Sulzberger	205	85,457	2	6	3	50
Presbyterian Hospital [1-3]	New York City	C. T. Nelson	...	35,496	1	3	3	208
St. Luke's Hospital [1-3]	New York City	L. P. Barker	595	9,008	1	1	2	75
Duke University Hospital [1-3]	Durham, N. C.	J. L. Callaway	196	4,790	1	3	3	42
Cincinnati General Hospital [1-3]	Cincinnati	L. Goldman	208	7,271	3	8	3	100
City Hospital [1-3]	Cleveland	B. P. Persky	198	4,734	1	3	3	150
Cleveland Clinic Hospital [1-3]	Cleveland	E. W. Netherton	377	17,561	1	3	3	175
University Hospitals [1-3]	Cleveland	J. R. Driver	108	4,657	1	2	3	125
University Hospitals [1-3]	Oklahoma City	C. P. Bondurant	40	1,986	2	2	1	300
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	T. B. Fitzpatrick	117	4,558	1	3	3	...
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	H. Beerman	68	4,068	1	3	2	...
Hahnemann Medical College and Hospital [3]	Philadelphia	C. Burgoon	20	4,642	1	2	1	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	D. M. Pillsbury	118	8,988	4	12	3	...
Jefferson Medical College Hospital [1-3]	Philadelphia	H. B. Decker	12	5,665	1	1	1	...
Pennsylvania Hospital [1-3]	Philadelphia	H. Beerman	...	3,923	1	1	1	20
Philadelphia General Hospital [1-3]	Philadelphia	C. F. Burgoon	231	3,638	1	1	1	113
Skin and Cancer Hospital [1-3]	Philadelphia	C. S. Wright	509	32,485	4	4	2	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	J. F. Mullins	107	7,627	2	6	3	...
Baylor University College of Medicine Affiliated Hospitals Jefferson Davis Hospital [1-3]	Houston, Texas	E. R. Seale	1	2,577	1	1	1	...
University of Virginia Hospital [1-3]	Charlottesville, Va.	E. P. Cawley	239	8,531	2	6	3	50
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	R. W. Fowlkes	24	6,253	..	1	1	100
University Hospitals [1]	Madison, Wis.	S. A. M. Johnson	189	4,084	1	1	1	50

6. GASTROENTEROLOGY

The following services have been approved for one year of training by the Council and the Subspecialty Board for Gastroenterology of the American Board of Internal Medicine.

Hospitals, 24; Assistant Residencies and Residencies, 64

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Letterman Army Hospital [1]	San Francisco	J. Sullivan	52	..	..	1	...
Army Medical Center [1-3]	Washington, D. C.	E. D. Palmer	715	7	2	2	...
Brooke Army Hospital [1-3]	San Antonio, Texas	R. S. Nelson	567	15	..	1	...

Numerical and other references will be found on page 363.

6. GASTROENTEROLOGY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Residencies Total Offered [5]	Beginning Stipend (Month)
FEDERAL							
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	A. E. Dagradi	878	36	..	1	...
Veterans Admin. Hospital [1-3]	Los Angeles	J. A. Halsted	580	13	..	1	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	M. L. Gompertz	1,139	10	1	2	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	K. Plummer	770	10	..	2	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	M. Garry	958	32	1	1	...
NONFEDERAL							
Cook County Hospital [1-3]	Chicago		...	..	..	..	...
Michael Reese Hospital [1-3]	Chicago	H. Necheles	240	2	2	2	...
Touro Infirmary [1]	New Orleans	L. Ochs	629	..	1	1	100
Beth Israel Hospital [1-3]	Boston	B. M. Banks	...	..	..	1	167
Lahey Clinic [1-3]	Boston	S. M. Jordan	1,376	..	8	12	175
Massachusetts Memorial Hospitals [1-3]	Boston	F. Ingelfinger	...	..	1	4	...
Henry Ford Hospital [1-3]	Detroit	J. G. Mateer	922	14	5	6	225
Mayo Foundation [1-3]	Rochester, Minn.		...	..	..	..	...
Mount Sinai Hospital [1-3]	New York City	A. Gutman	...	..	4	5	50
New York Polyclinic Medical School and Hospital [1-3]	New York City	S. Weiss	115	2	1	1	...
Duke University Hospital [1-3]	Durham, N. C.	J. M. Ruffin	816	3	..	2	250
Ohio State University Hospitals							
University Hospitals [1-3]	Columbus, Ohio	C. J. DeLor	...	..	..	1	225
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	H. L. Bockus	758	5	3	3	150
Hospital of the University of Pennsylvania [1-3]	Philadelphia	T. Machella	...	..	2	6	...
Jefferson Medical College Hospital [1-3]	Philadelphia	J. E. Deitrick	...	..	1	2	...
Temple University Hospital [1-3]	Philadelphia	H. Shay	...	..	1	3	...

7. GENERAL PRACTICE

The following services have been approved by the Council and the American Academy of General Practice, through the Residency Review Committee for General Practice, as offering acceptable training in the specialty.

Hospitals, 159; Assistant Residencies and Residencies, 628

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES NAVY							
U. S. Naval Hospital [1]	San Diego, Calif.	A. H. Staderman	.....	...	..	..	...
U. S. Naval Hospital [1]	Chelsea, Mass.	R. C. Parker	.....	...	2	2	...
U. S. Naval Hospital [1-3]	Portsmouth, Va.		.....	...	1	2	...
NONFEDERAL							
Good Samaritan Hospital [3]	Phoenix, Ariz.	L. Dagres	7,283	111	2	2	250
Maricopa County General Hospital [1-3]	Phoenix, Ariz.	W. J. Rogers	.....	...	..	6	250
St. Mary's Hospital and Sanitorium [1-3]	Tucson, Ariz.	F. C. Gregg	16,592	110	2	6	200
St. Michael's Hospital [3]	Texarkana, Ark.	W. B. Harrell	7,207	39	1	2	225
General Hospital of Riverside County [1]	Arlington, Calif.	H. Stone	2,934	43	5	5	376
Kern General Hospital [1]	Bakersfield, Calif.	J. J. Cawley	.....	...	8	8	325
Los Angeles County General Hospital [1]	Los Angeles	P. Berman	.....	...	6	6	200
Methodist Hospital of Southern California [1-3]	Los Angeles	W. S. Graf-R. L. Taw	2,686	21	2	2	175
Contra Costa County Hospital [1-3]	Martinez, Calif.	H. Flanders	6,705	127	10	10	470
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	H. S. Holmboe	.....	...	4	4	175
Sequoia Hospital [1]	Redwood City, Calif.	R. Willey	7,395	51	..	4	300
Sacramento County Hospital [1-3]	Sacramento, Calif.	L. W. Farrell	12,909	588	8	12	...
Monterey County Hospital [1]	Salinas, Calif.	W. A. Cassidy	3,332	122	7	7	350
St. Francis Memorial Hospital [1-3]	San Francisco	P. R. Westdahl	2,790	57	7	7	300
Community Hospital of San Mateo County [1-3]	San Mateo, Calif.	J. P. Sweeney	.....	...	8	8	300
Sonoma County Hospital [1]	Santa Rosa, Calif.	H. D. Stalley	3,961	107	8	8	425
Tulare County General Hospital [1]	Tulare, Calif.	J. Feldmayer	2,814	93	7	7	385
Glockner-Penrose Hospital [1-3]	Colorado Springs, Colo.	C. S. Gydesen	.....	...	2	4	200
St. Francis Hospital [1-3]	Colorado Springs, Colo.	E. H. Vincent	4,414	67	2	2	210
University of Colorado Medical Center							
Colorado General Hospital [1-3]	Denver	C. W. Eisele	.....	...	8	24	150
Denver General Hospital [1-3]	Denver	C. W. Eisele	.....	...	..	..	...
Greenwich Hospital [1-3]	Greenwich, Conn.	G. Carter	7,531	111	1	2	150
Charlotte Hungerford Hospital [1-3]	Torrington, Conn.	M. E. Globbe	5,139	70	2	4	100
Wilmington General Hospital [1-3]	Wilmington, Del.	F. S. Skura	7,012	59	8	10	250
Eastern Dispensary and Casualty Hospital [3]	Washington, D. C.	J. R. Young	4,639	29	10	20	300
Halifax District Hospital [1-3]	Daytona Beach, Fla.	F. A. Sica	6,499	142	..	3	320
St. Luke's Hospital [1]	Jacksonville, Fla.	E. E. Leitner	.....	...	1	2	225
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	L. M. Wachtel	.....	...	2	4	135
Baptist Hospital	Pensacola, Fla.		.....	...	..	..	...
Sacred Heart Hospital [1-3]	Pensacola, Fla.	T. L. Hoyt	5,782	32	3	3	200
Grady Memorial Hospital [1-3]	Atlanta, Ga.	E. B. Ferris, Jr.	.....	...	8	8	20
Columbus City Hospital [1-3]	Columbus, Ga.	H. Brill	10,448	114	4	4	250
Macon Hospital	Macon, Ga.	E. C. McMillan	13,886	...	14	21	200
St. Joseph Hospital [1-3]	Alton, Ill.	H. P. McCuistion	8,374	...	4	4	250
MacNeal Memorial Hospital [1]	Berwyn, Ill.	J. Hunt	2,298	62	5	5	225
Grant Hospital [1-3]	Chicago	K. S. Gustin	3,321	41	1	1	225
Illinois Masonic Hospital [1-3]	Chicago	J. S. Poticha	.....	...	1	1	115
St. Mary of Nazareth Hospital [1]	Chicago	S. A. Motto	11,173	119	1	2	150
South Shore Hospital [1-3]	Chicago	S. H. Gumbiner	6,455	66	2	2	250
Decatur and Macon County Hospital [3]	Decatur, Ill.	C. P. Birk	3,760	34	2	2	275
Methodist Hospital of Central Illinois [1-3]	Peoria, Ill.	F. C. Green	4,044	88	3	3	200
Swedish-American Hospital	Rockford, Ill.	C. W. Fredberg	7,958	112	1	2	...
St. Francis Hospital [1]	Beech Grove, Ind.	J. R. Moriarity	9,407	68	4	4	300
Methodist Hospital [1]	Gary, Ind.	M. Shellhouse	15,235	177	2	2	200
St. Margaret Hospital	Hammond, Ind.	F. G. Rudolph	14,837	114	2	4	300
Methodist Hospital [1-3]	Indianapolis	J. F. Riggs	.....	...	2	4	273
St. Elizabeth Hospital	Lafayette, Ind.	G. W. Herrold	6,252	80	1	3	175
Memorial Hospital [1]	South Bend, Ind.	B. A. Biasini	10,044	131	2	2	250
St. Luke's Methodist Hospital [1-3]	Cedar Rapids, Iowa	S. M. Lehr	11,634	143	6	6	250
Broadlawns-Polk County Hospital [1]	Des Moines, Iowa	D. H. Kast	.....	...	..	1	175
University Hospitals [1-3]	Iowa City	W. B. Bean	.....	...	6	6	118
St. Francis Hospital [1-3]	Wichita, Kan.	C. P. McCoy	4,070	34	3	6	275
Wesley Hospital [1-3]	Wichita, Kan.	J. Tiller	4,356	29	1	1	150
St. Anthony Hospital	Louisville, Ky.	J. G. Rulander	.....	...	1	1	250

Numerical and other references will be found on page 363.

7. GENERAL PRACTICE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Beginning Stipend (Month)
Baton Rouge General Hospital [1]	Baton Rouge, La.	J. M. Hopper	13,838	49	2	2	300
Lafayette Charity Hospital [1]	Lafayette, La.	E. Hull	.....	17	18	18	325
St. Patrick's Hospital [1-3]	Lake Charles, La.	G. E. Barham	8,445	36	2	2	...
Huey P. Long Charity Hospital	Pineville, La.	J. Deming	8,781	93	11	11	325
Bon Secours Hospital [3]	Baltimore	F. J. Geraghty	717	16	1	2	260
University Hospital	Baltimore	T. E. Woodward	1,064	158	2	5	50
Suburban Hospital [1-3]	Bethesda, Md.	W. T. Gibb	.....	...	2	2	200
St. Anne's Hospital [3]	Fall River, Mass.	J. C. Corrigan	4,459	31	2	2	150
Cooley Dickinson Hospital [1-3]	Northampton, Mass.	L. N. Durgin	7,917	71	4	4	150
Lynn Hospital	Detroit	E. W. Erickson	4,493	12	4	8	425
Saratoga General Hospital [3]	Detroit	G. T. Brown	7,256	26	3	3	350
Hurley Hospital [1]	Flint, Mich.	L. G. Bateman	.....	...	2	2	325
McLaren General Hospital [1]	Flint, Mich.	W. W. Bruce	10,584	91	3	4	325
St. Joseph Hospital [1-3]	Flint, Mich.	J. J. Gutow	11,874	73	6	12	400
Borgess Hospital [1-3]	Kalamazoo, Mich.	F. Doyle	3,125	48	4	8	225
Mercy Hospital [1]	Muskegon, Mich.	A. L. Benedict	5,561	38	2	2	300
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	E. J. Dobski	.....	...	4	4	325
St. Luke's Hospital [1-3]	Saginaw, Mich.	H. E. Mayne	6,726	...	2	2	300
St. Mary's Hospital	Saginaw, Mich.	T. E. Fleschner	5,072	51	1	2	350
James Decker Munson Hospital [1-3]	Traverse City, Mich.	F. G. Swartz	6,411	68	2	4	300
Wyandotte General Hospital [1]	Wyandotte, Mich.	E. J. Knaggs	10,065	84	7	7	400
Fairview Hospital [1-3]	Minneapolis	S. P. Stone	2,632	82	3	3	300
Lutheran Deaconess Home and Hospital [1-3]	Minneapolis	L. A. Benesh	8,902	54	..	3	200
Mount Sinai Hospital [1-3]	Minneapolis	P. Gordon	.....	...	4	4	200
Midway Hospital [3]	St. Paul	A. E. Ritt	4,435	70	2	2	...
Mercy Hospital-Street Memorial [1-3]	Vicksburg, Miss.	L. J. Clark	5,474	23	2	2	225
Missouri Methodist Hospital [1-3]	St. Joseph, Mo.	O. W. D. Craig	3,709	48	2	2	225
Alexian Brothers Hospital [3]	St. Louis	A. D. Hoffmann	3,004	57	3	3	200
St. Anthony's Hospital [1-3]	St. Louis	W. T. Gunn	6,372	20	2	4	150
Butte Community Memorial Hospital [1-3]	Butte, Mont.	G. I. Podobnikar	5,211	38	..	5	300
Hunterdon Medical Center [1]	Flemington, N. J.	E. D. Pellegrino	2,916	72	2	4	150
Mountainside Hospital [1-3]	Montclair, N. J.	C. F. Turner	.....	...	1	2	175
Morristown Memorial Hospital [1-3]	Morristown, N. J.	J. S. Forbes	.....	...	..	1	185
Princeton Hospital	Princeton, N. J.	B. B. Scassera	4,448	73	2	4	300
Overlook Hospital [3]	Summit, N. J.	J. F. Johnson	8,816	111	1	1	200
Mercy Hospital [1-3]	Buffalo	C. F. Banas	12,787	193	3	3	250
Millard Fillmore Hospital [1-3]	Buffalo	M. Cheplove	.....	...	1	2	255
St. Joseph's Hospital [1-3]	Far Rockaway, N. Y.	F. Herrman	7,039	43	10	10	250
Benedictine Hospital [1-3]	Kingston, N. Y.	E. F. Shea-J. A. Olivet	5,044	44	2	2	250
Kingston Hospital	Kingston, N. Y.	H. L. Rakov	5,460	69	2	2	300
Our Lady of Victory Hospital [3]	Lackawanna, N. Y.	L. Makarewicz	4,657	59	1	1	175
Mercy Hospital	Charlotte, N. C.	C. W. Robinson	3,766	43	3	3	175
City Memorial Hospital [1-3]	Winston-Salem, N. C.	J. R. Bender	13,861	98	2	2	300
Akron General Hospital [1-3]	Akron, Ohio	G. K. Parke	.....	...	4	4	250
City Hospital [1-3]	Akron, Ohio	D. E. Leonard	.....	...	2	4	250
St. Thomas Hospital [1-3]	Akron, Ohio	K. Weidenthal	2,560	...	2	4	250
Mercy Hospital [1-3]	Canton, Ohio	G. C. Dowell	13,972	87	1	2	200
Christ Hospital [1]	Cincinnati	K. E. Martin	.....	...	4	8	200
Good Samaritan Hospital [1-3]	Cincinnati	W. Schmidter	.....	...	4	4	175
Doctors Hospital [1-3]	Cleveland Heights, Ohio	H. W. Salter	.....	...	2	4	200
White Cross Hospital [1-3]	Columbus, Ohio	W. P. Smith, Jr.	1,580	27	1	1	275
Euclid-Glenville Hospital [1-3]	Euclid, Ohio	J. B. Price	8,689	72	6	6	200
Lima Memorial Hospital [1-3]	Lima, Ohio	D. L. Becker	10,024	95	5	8	275
St. Rita's Hospital [1-3]	Lima, Ohio	J. A. Glorioso	1,754	61	1	2	225
Mercy Hospital [1-3]	Toledo, Ohio	C. R. Forrester	4,589	35	1	2	250
St. Vincent's Hospital [1-3]	Toledo, Ohio	M. A. Schnitker	.....	...	1	1	225
Toledo Hospital [1-3]	Toledo, Ohio	C. S. Mundy	2,394	34	1	2	200
Youngstown Hospital [1-3]	Youngstown, Ohio	J. L. Fisher	8,213	184	1	2	175
University Hospitals [1-3]	Oklahoma City	I. H. Brown	.....	...	12	16	85
St. Luke's Hospital [1-3]	Bethlehem, Pa.	R. K. Shields	13,523	182	1	1	275
Bradford Hospital [1-3]	Bradford, Pa.	C. L. Luckett	1,826	33	3	3	250
Chester Hospital [1-3]	Chester, Pa.		9,389	168	2	4	350
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	W. J. Stainsby	2,224	60	1	2	125
Thomas M. Fitzgerald Mercy Hospital [1-3]	Darby, Pa.	D. T. Sullivan	12,700	101	1	1	200
St. Joseph's Hospital [1-3]	Lancaster, Pa.	C. H. Witmer	2,282	98	2	2	300
Sacred Heart Hospital [1]	Norristown, Pa.	J. J. M'Shea	6,098	69	4	4	400
St. John's General Hospital [1-3]	Pittsburgh	D. B. Wolfe	.....	...	1	1	300
Community General Hospital [1-3]	Reading, Pa.	C. S. Kring	2,791	45	..	1	300
Sharon General Hospital [1-3]	Sharon, Pa.	J. J. Bellas	12,859	70	5	5	300
Memorial Hospital [1-3]	Pawtucket, R. I.	E. J. Mara	8,170	85	1	2	250
Greenville General Hospital [1-3]	Greenville, S. C.	L. W. Stoneburner	4,579	136	3	6	125
Spartanburg General Hospital	Spartanburg, S. C.	R. A. Way	17,388	133	3	3	200
Sacred Heart Hospital [1]	Yankton, S. Dak.	T. H. Sattler	6,780	68	4	4	...
St. Mary's Memorial Hospital [1-3]	Knoxville, Tenn.	J. Raulston	.....	...	1	2	300
Madison Sanitarium and Hospital [1-3]	Madison College, Tenn.	J. C. Gant	5,982	20	3	3	325
John Peter Smith Hospital [1-3]	Fort Worth, Texas	L. J. Levy	4,999	150	5	5	150
All Saints Hospital	Fort Worth, Texas	J. A. Hallmark	6,671	68	4	4	250
St. Mary's Infirmary [1-3]	Galveston, Texas	E. S. McLarty, Sr.	7,702	49	5	10	...
Nan Travis Memorial Hospital [1]	Jacksonville, Texas	J. M. Travis	5,422	26	1	2	250
Shannon West Texas Memorial Hospital [1-3]	San Angelo, Texas	P. J. Byars	5,574	74	2	2	300
Baptist Memorial Hospital [1-3]	San Antonio, Texas	A. Breuer	14,930	118	1	2	150
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	W. W. Bondurant	.....	...	1	2	150
Kings Daughters Hospital [1-3]	Temple, Texas	S. W. Shibler	2,979	24	1	2	300
Wichita General Hospital [1]	Wichita Falls, Texas	W. L. Rector	7,458	51	3	3	300
Thomas D. Lee Memorial Hospital [1-3]	Ogden, Utah	H. C. Stranquist	4,103	...	3	5	250
Riverside Hospital [1-3]	Newport News, Va.	S. H. Mirmelstein	2,257	29	1	2	250
De Paul Hospital [1-3]	Norfolk, Va.	L. E. Jones, Jr.	11,197	141	1	2	200
Norfolk General Hospital [1-3]	Norfolk, Va.	J. G. Price	.....	...	2	2	125
Retreat for the Sick [3]	Richmond, Va.	G. Vranian	246	6	2	3	200
Sheltering Arms Hospital [1-3]	Richmond, Va.	A. Klein	151	18	1	1	250
Louise Obici Memorial Hospital [1-3]	Suffolk, Va.	W. N. Eddy	.....	...	..	1	300
Providence Hospital [1]	Seattle	B. T. Fitzmaurice	.....	...	4	6	200
Sacred Heart Hospital [1-3]	Spokane, Wash.	R. M. O'Brien	25,041	161	4	4	200
Bluefield Sanitarium [3]	Bluefield, W. Va.	H. F. Warden, Jr.	1,904	31	4	4	500
Charleston General Hospital [1-3]	Charleston, W. Va.	W. Barber	.....	...	2	2	175
Kanawha Valley Hospital	Charleston, W. Va.	R. J. Jones	1,460	...	1	1	200
Memorial Hospital [1-3]	Charleston, W. Va.	J. W. Hash	.....	...	1	1	225
Camden Clark Memorial Hospital [1-3]	Parkersburg, W. Va.	J. J. Stark	.....	...	1	2	200
Ohio Valley General Hospital [1-3]	Wheeling, W. Va.	R. H. Lewellyn	2,595	25	2	4	300
Evangelical Deaconess Hospital [1-3]	Milwaukee	L. M. Peters	1,081	87	2	2	250
Milwaukee Hospital [1-3]	Milwaukee	S. M. Evans	.....	...	1	1	195
St. Michael Hospital [1-3]	Milwaukee	N. G. Bauch	5,095	37	3	3	275

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE

The following services have been approved by the Council, the American Board of Internal Medicine, and the American College of Physicians through the Residency Review Committee for Internal Medicine as offering acceptable training in the specialty under any of the several programs leading to eligibility for examination by the American Board of Internal Medicine.

Hospitals, 744; Assistant Residencies and Residencies, 4,862

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [2]	Total Residencies Offered [2]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	W. C. Berry	2,670	..	6	16	3	...
Fitzsimons Army Hospital [1]	Denver	R. A. Radke	1,368	12	..	..	3	...
Army Medical Center [1-3]	Washington, D. C.	F. W. Pruitt	1,629	35	7	22	3	...
Valley Forge Army Hospital [1]	Phoenixville, Pa.	R. P. Johnson	1,827	70	2	6	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	R. E. Blount	3,652	81	7	19	3	...
Madigan Army Hospital	Fort Lewis, Wash.	W. S. George	943	7	..	..	1	...
Tripler Army Hospital [1]	Honolulu, T. H.	D. J. Sheehan	5,135	..	4	10	3	...
UNITED STATES AIR FORCE								
U. S. Air Force Hospital [1-3]	Belleville, Ill.	E. D. Bayrd	2,401	18	1	1	1	...
UNITED STATES NAVY								
U. S. Naval Hospital [1]	Oakland, Calif.	J. H. Ward, Jr.	1,681	54	..	..	3	...
U. S. Naval Hospital [1]	San Diego, Calif.	A. L. Lawler	2,481	50	..	..	3	...
U. S. Naval Hospital [1-3]	Great Lakes, Ill.	V. G. Colvin	2,184	19	1	2	2	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	A. Zikmund	3,080	24	..	7	3	...
U. S. Naval Hospital [1]	Chelsea, Mass.	R. C. Parker	1,635	12	2	5	3	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	L. E. Bach	2,489	24	..	..	3	...
U. S. Naval Hospital [1]	Philadelphia	L. J. Pope	2,659	76	..	..	3	...
U. S. Naval Hospital [1-3]	Portsmouth, Va.	E. F. Kline	.....	..	2	2	1	...
UNITED STATES PUBLIC HEALTH SERVICE								
U. S. Public Health Service Hospital [1-3]	San Francisco	A. A. Doerner	2,112	44	1	3	3	...
U. S. Public Health Service Hospital [1-3]	New Orleans	R. H. Linn	1,677	27	1	3	3	...
U. S. Public Health Service Hospital [1]	Baltimore	C. G. Spicknall	1,676	37	2	6	3	...
National Institutes of Health—Clinical Center [1-3]	Bethesda, Md.	L. Terry	242	7	..	8	1	...
U. S. Public Health Service Hospital	Boston	W. H. Stimson	1,285	27	1	3	3	...
U. S. Public Health Service Hospital [1-3]	Stapleton, S. I., N. Y.	V. J. Dorset	2,009	70	3	9	3	...
U. S. Public Health Service Hospital	Seattle	J. G. Telfer	1,654	47	1	3	3	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	J. B. Johnson	966	80	4	9	..	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	T. J. Reeves	392	16	8	18	3	...
Veterans Admin. Hospital [1]	Tuskegee, Ala.	E. T. Odom	1,593	79	6	12	3	...
Veterans Admin. Hospital [1-3]	Little Rock, Ark.	H. R. Hipp	2,546	85	2	6	3	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	D. W. Leik	2,045	136	9	27	3	...
Veterans Admin. Hospital [1-3]	Los Angeles	R. O. Egeberg	5,500	417	20	54	3	...
Veterans Admin. Hospital [1]	San Francisco	F. M. Willett	1,600	148	14	23	2	...
Veterans Admin. Hospital [1-3]	Denver	T. P. Sears	2,601	107	8	19	3	...
Veterans Admin. Hospital	Newington, Conn.	P. Lipton	1,361	66	1	3	3	...
Veterans Admin. Hospital [1-3]	West Haven, Conn.	P. Kunkel	484	35	10	19	2	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	L. K. Alpert	2,032	146	5	13	3	...
Veterans Admin. Hospital [1-3]	Coral Gables, Fla.	J. M. Rumball	2,402	182	5	15	3	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	J. H. Peters	2,127	107	9	14	3	...
Veterans Admin. Hospital [1]	Augusta, Ga.	J. G. Bohorfoush	1,706	47	3	9	2	...
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern University Medical Center)						
Veterans Admin. (West Side) Hospital [1-3]	Chicago	H. J. Zimmerman	1,597	67	8	20	2	...
Veterans Admin. Hospital [1]	Hines, Ill.	L. A. Baker	3,488	266	14	42	3	...
Veterans Admin. Hospital [1]	Indianapolis	W. A. Christian	1,897	172	3	10	3	...
Veterans Admin. Hospital [1]	Des Moines, Iowa	J. C. Parsons	2,382	84	4	11	3	...
Veterans Admin. Hospital [1-3]	Iowa City	W. M. Kirkendall	1,666	76	6	14	3	...
Veterans Admin. Hospital [1-3]	Topeka, Kan.	R. Chess	1,200	58	2	6	3	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	I. Kass	1,212	151	2	4	3	...
Veterans Admin. Hospital [1-3]	Wichita, Kan.	D. Givner	984	58	2	2	3	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	J. R. Gott, Jr.	1,199	80	4	12	3	...
Veterans Admin. Hospital [1-3]	New Orleans	C. A. Jones	1,403	106	8	16	3	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	F. G. Dickey	2,089	116	2	6	3	...
Veterans Admin. Hospital [1-3]	Perry Point, Md.	S. Goldgraben	998	14	2	4	3	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	M. B. Strauss	5,236	211	10	30	3	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	M. R. Weed	2,841	208	8	20	3	...
Veterans Admin. Hospital [1-3]	Minneapolis	E. B. Flink	931	66	10	36	3	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	(See University of Kansas Medical Center)						
Veterans Admin. Hospital [1-3]	St. Louis	R. A. Gieselman	581	42	4	12	3	...
Veterans Admin. Hospital [1-3]	Lincoln, Neb.	J. R. Gordon	1,182	38	2	6	3	...
Veterans Admin. Hospital [1-3]	Omaha	J. R. Walsh	1,499	77	4	12	3	...
Veterans Admin. Hospital [1-3]	East Orange, N. J.	H. A. Weiner	1,013	105	8	8	2	...
Veterans Admin. Hospital [1-3]	Albuquerque, N. Mex.	W. S. Taylor	1,415	69	5	10	3	...
Veterans Admin. Hospital [1-3]	Albany, N. Y.	W. P. Nelson, III	2,864	157	8	20	3	...
Veterans Admin. Hospital [1]	Bath, N. Y.	H. W. Baum	1,337	56	1	3	2	...
Veterans Admin. Hospital [1-3]	Brooklyn	P. W. Spear	3,050	208	8	30	3	...
Veterans Admin. Hospital [1-3]	Buffalo	G. W. Bissell	2,264	125	4	13	3	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	J. Wolf	3,569	248	14	40	3	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	(See Duke University Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	Cleveland	N. P. Shumway	4,343	148	..	24	3	...
Veterans Admin. Hospital [1-3]	Dayton, Ohio	A. Tomasulo	2,567	198	12	22	3	...
Veterans Admin. Hospital [1]	Oklahoma City	J. F. Hammarsten	1,423	79	5	15	3	...
Veterans Admin. Hospital [1-3]	Portland, Ore.	Z. T. Wirtschafter	2,213	146	6	18	3	...
Veterans Admin. Hospital [1-3]	Philadelphia	H. P. Close	1,908	141	5	15	3	...
Veterans Admin. Hospital [1]	Pittsburgh	R. Schwartz	1,524	198	6	18	3	...
Veterans Admin. Hospital [1-3]	Providence, R. I.	H. A. Lawson	1,794	79	4	8	2	...
Veterans Admin. Hospital	Columbia, S. C.	S. L. Zimmerman	3,263	94	2	6	3	...
Veterans Admin. Hospital [1-3]	Memphis	B. R. Gendel	3,417	108	13	34	3	...
Veterans Admin. Hospital [1]	Nashville, Tenn.	R. France	2,206	73	6	15	2	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	C. W. Sensenbach	1,241	93	12	23	3	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University School of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	McKinney, Texas	W. M. Daily	2,918	60	11	21	3	...
Veterans Admin. Hospital	Salt Lake City	H. Brown	1,032	45	4	10	2	...
Veterans Admin. Hospital	White River Junction, Vt.	(See Dartmouth Medical School Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	Richmond, Va.	K. Plummer	5,451	..	9	27	2	...
Veterans Admin. Hospital [1-3]	Seattle	R. S. Evans	1,492	113	6	13	2	...
Veterans Admin. Hospital [1-3]	Martinsburg, W. Va.	H. Field, Jr.	795	46	4	9	2	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	M. Garry	2,086	62	11	24	3	...
Veterans Admin. Hospital [3]	San Juan, P. R.	R. R. Molina	.....	..	2	5	1	...

Numerical and other references will be found on page 353.

8. INTERNAL MEDICINE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
Carraway Methodist Hospital [1-3]	Birmingham, Ala.	O. C. McCarn-E. D. Lineberry	2,224	34	1	3	3	250
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	T. R Harrison	2,934	92	8	16	3	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	C. E. Porter	2,743	43	3	7	3	225
City Hospital	Mobile, Ala.	J. H. Little	976	58	1	1	1	225
St. Mary's Hospital and Sanitarium [1-3]	Tucson, Ariz.	D. E. Engle	8,645	87	2	6	1	200
Tucson Medical Center [1-3]	Tucson, Ariz.	W. A. Butcher	883	19	2	2	1	200
Arkansas Baptist Hospital [1]	Little Rock, Ark.	A. A. Pringos	2,256	65	1	1	1	225
University Hospital [1-3]	Little Rock, Ark.	R. V. Ebert	621	68	3	6	1	145
General Hospital of Riverside County [1]	Arlington, Calif.	H. H. Stone	1,591	111	1	1	1	481
Kern General Hospital [1]	Bakersfield, Calif.	L. Yaussy	2,400	135	3	9	3	325
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	H. I. Harvey	2,406	90	1	3	3	175
San Joaquin General Hospital [1-3]	French Camp, Calif.	G. K. Wever	1,374	176	3	5	3	235
General Hospital of Fresno County [1]	Fresno, Calif.	J. M. Masten	1,735	139	2	4	2	300
Glendale Sanitarium and Hospital [1]	Glendale, Calif.	H. J. Hoxie	4,208	124	1	3	3	165
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	J. T. Hardesty	3,133	54	2	3	1	150
California Hospital [1-3]	Los Angeles	W. F. Wessels	2,816	102	3	5	3	150
Cedars of Lebanon Hospital [1-3]	Los Angeles	M. Prinzmetal-J. Reynolds	3,596	132	3	8	3	150
Hospital of the Good Samaritan [1-3]	Los Angeles	C. L. Davison	2,658	34	2	6	3	200
Los Angeles County General Hospital [1]	Los Angeles	E. Shapiro	22,417	796	10	31	3	200
Presbyterian Hospital-Olmsted Memorial [1-3]	Los Angeles	J. B. McDonald	1,941	40	1	3	1	125
Queen of Angels Hospital [1-3]	Los Angeles	M. Blacker	3,121	113	1	3	2	150
St. Vincent's Hospital [3]	Los Angeles	J. B. Doyle	2,585	63	1	1	1	200
University of California Hospital	Los Angeles	J. S. Lawrence	.....	...	6	9	3	87
White Memorial Hospital [1-3]	Los Angeles	J. E. Peterson	1,281	73	1	3	3	146
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	T. C. McCleave, Jr.	5,137	195	4	11	3	195
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	P. J. Raimondi	2,152	110	8	16	3	175
Collis P. and Howard Huntington Memorial Hosp. [1-3]	Pasadena, Calif.	D. T. Proctor	2,300	131	1	3	3	240
San Bernardino County Charity Hospital	San Bernardino, Calif.	W. L. Cover	1,501	159	4	4	1	190
Mercy Hospital [1]	San Diego, Calif.	E. M. Fetter	2,923	131	1	4	3	200
San Diego County General Hospital [1-3]	San Diego, Calif.	W. J. Tighe	2,011	227	4	7	3	150
Children's Hospital [2-3]	San Francisco	D. W. Atkinson	645	12	1	2	2	125
Franklin Hospital [4-3]	San Francisco	C. D. Mote	1,783	36	1	4	1	116
French Hospital [1-3]	San Francisco	D. L. Wilbur	2,883	89	2	3	2	125
Mary's Help Hospital [1-3]	San Francisco	F. Rochex	1,806	30	1	2	1	150
Mount Zion Hospital [1-3]	San Francisco	J. J. Sampson	1,958	49	3	6	3	...
St. Joseph's Hospital [1-3]	San Francisco	M. E. Leonard	2,018	49	1	1	1	150
St. Luke's Hospital [3]	San Francisco	E. L. Bruck	2,572	65	2	5	3	200
St. Mary's Hospital [1-3]	San Francisco	J. J. McGinnis	1,688	40	2	5	3	150
San Francisco Hospital								
Stanford University Service	San Francisco	J. K. Lewis	2,202	181	3	5	3	175
University of California Service [3]	San Francisco	H. D. Brainerd	2,329	168	3	5	3	175
Southern Pacific General Hospital [1-3]	San Francisco	R. E. Allen	2,067	68	3	6	3	150
Stanford University Hospitals [1-3]	San Francisco	D. A. Rytand	2,647	79	5	12	3	80
University of California Hospital [1-3]	San Francisco	T. L. Althausen	1,640	65	6	17	3	87
Santa Clara County Hospital [1]	San Jose, Calif.	S. F. Kaufman	1,155	115	2	4	3	...
Community Hospital of San Mateo County [1-3]	San Mateo, Calif.	W. F. Knorp	721	67	1	2	2	400
Santa Barbara Cottage Hospital [1-3]	Santa Barbara, Calif.	J. W. Dalton	1,941	47	3	6	3	140
Harbor General Hospital [1-3]	Torrance, Calif.	W. P. Martin-F. Kellogg	3,441	333	7	21	3	200
Mercy Hospital [1-3]	Denver	W. L. Bennett	2,907	65	2	4	2	225
Presbyterian Hospital [1-3]	Denver	H. A. Bradford	1,453	57	1	1	2	150
St. Anthony Hospital [1-3]	Denver	F. R. Calhoun	2,420	67	1	3	3	175
St. Joseph's Hospital [1-3]	Denver	G. Curfman	3,121	84	..	3	3	150
St. Luke's Hospital [1-3]	Denver	J. Mendenhall	2,557	21	1	1	1	150
University of Colorado Medical Center								
Colorado General Hospital [1-3]	Denver	G. Meiklejohn	1,226	103	6	16	..	150
Denver General Hospital [1-3]	Denver	G. Meiklejohn	2,027	247	..	..	..	...
Bridgeport Hospital [1-3]	Bridgeport, Conn.	I. S. Zaur	2,007	64	2	4	2	240
St. Vincent's Hospital [1-3]	Bridgeport, Conn.	V. Lynch	3,092	82	2	3	3	300
Greenwich Hospital [1-3]	Greenwich, Conn.	J. Lockwood	1,955	62	1	2	2	150
Hartford Hospital [1-3]	Hartford, Conn.	M. T. Root	4,739	207	11	18	3	50
Hartford Municipal Hospital and Health Center [1-3]	Hartford, Conn.	S. Donner	862	76	1	2	2	250
St. Francis Hospital [1-3]	Hartford, Conn.	J. R. Lenehan	4,083	115	1	3	3	100
New Britain General Hospital [1-3]	New Britain, Conn.	J. C. White	2,145	...	1	3	3	200
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	P. B. Beeson-T. S. Evans	3,690	260	9	14	3	50
Hospital of St. Raphael [3]	New Haven, Conn.	T. S. Evans	2,325	...	3	7	3	125
Lawrence and Memorial Associated Hospitals [1-3]	New London, Conn.	A. Labensky	2,534	77	..	..	1	250
Norwalk Hospital [1-3]	Norwalk, Conn.	D. L. Ellrich	2,045	66	2	2	1	160
St. Mary's Hospital [1-3]	Waterbury, Conn.	W. Finkelstein	3,341	75	2	4	3	225
Waterbury Hospital [1]	Waterbury, Conn.	O. J. Bizzozero	5,370	103	1	3	3	225
Delaware Hospital [1-3]	Wilmington, Del.	L. B. Flinn	2,074	149	2	5	3	180
Memorial Hospital [1-3]	Wilmington, Del.	L. P. Lang	1,770	105	1	3	3	175
Wilmington General Hospital [1-3]	Wilmington, Del.	J. R. Durham, Jr.	1,619	38	2	2	3	250
Central Dispensary and Emergency Hospital [1]	Washington, D. C.	J. Minor	2,345	87	2	5	3	225
District of Columbia General Hospital [1-3]	Washington, D. C.	H. H. Hussey-M. J. Romansky	4,442	291	16	18	3	143
Doctors Hospital [1-3]	Washington, D. C.	A. McNitt	1,836	78	1	3	1	150
Garfield Memorial Hospital [1-3]	Washington, D. C.	J. L. Thompson, Jr.	1,770	61	1	4	3	210
Georgetown University Hospital [3]	Washington, D. C.	H. Jeghers	2,772	153	14	34	3	20
George Washington University Hospital [1-3]	Washington, D. C.	T. McP. Brown	4,099	42	1	8	5	150
Providence Hospital [1-3]	Washington, D. C.	J. Finnegan	1,713	66	1	3	3	200
Duval Medical Center [1-3]	Jacksonville, Fla.	K. B. Hanson	1,942	107	2	4	3	150
Riverside Hospital [1-3]	Jacksonville, Fla.	D. White	896	16	1	1	1	150
St. Luke's Hospital [1]	Jacksonville, Fla.	J. L. Borland	2,819	31	1	1	1	225
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	L. E. Geeslin	2,126	63	2	6	3	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	F. H. Stewart	1,560	79	5	10	3	75
Mount Sinai Hospital [1-3]	Miami Beach, Fla.	D. A. Nathan	2,703	67	1	3	3	250
St. Francis Hospital [1-3]	Miami Beach, Fla.	P. A. Reed	2,367	33	2	2	1	200
Orange Memorial Hospital [1-3]	Orlando, Fla.	F. Mathers	1,995	77	2	2	1	150
Mound Park Hospital	St. Petersburg, Fla.		2,574	125	..	..	1	288
Tampa Municipal Hospital [1-3]	Tampa, Fla.	H. P. Hampton	4,568	132	1	3	2	125
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	L. H. Bishop, Jr.	3,432	69	4	7	3	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	H. M. Davison	4,659	111	2	4	3	290
Grady Memorial Hospital [1-3]	Atlanta, Ga.	E. B. Ferris, Jr.	2,578	253	9	15	3	20
Piedmont Hospital [1]	Atlanta, Ga.	C. Smith	1,034	18	1	3	1	160
University Hospital [1-3]	Augusta, Ga.	V. P. Sydenstricker	2,377	81	3	9	3	160
Emory University Hospital [1]	Emory University, Ga.	E. Ferris	3,992	136	6	15	3	190
Alexian Brothers Hospital [3]	Chicago	F. Knoepfler	1,709	69	2	2	1	125
Augustana Hospital [1-3]	Chicago	C. A. Hedberg	4,009	110	1	3	3	150
Columbus Hospital [3]	Chicago	E. F. Foley	1,368	32	2	6	3	...
Cook County Hospital [1-3]	Chicago	E. F. Foley	17,471	707	36	36	3	50
Englewood Hospital [3]	Chicago	F. Stenn	1,850	...	1	1	1	200
Grant Hospital [1-3]	Chicago	A. Van der Kloot	2,019	95	1	3	3	225

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
Henrotin Hospital [1]	Chicago	F. K. Hiek	998	26	1	1	1	200
Illinois Central Hospital [1-3]	Chicago	L. H. Sloan	2,925	98	2	2	1	200
Illinois Masonic Hospital [1-3]	Chicago	R. H. Hayes	4,184	173	2	3	2	115
Loretto Hospital [1-3]	Chicago	S. G. Plice	664	39	1	1	1	200
Lutheran Deaconess Home and Hospital [3]	Chicago	G. O. Solem	1,921	77	2	2	1	200
Mercy Hospital [1-3]	Chicago	G. F. O'Brien	2,067	50	4	9	3	100
Michael Reese Hospital [1-3]	Chicago	R. Levine	3,314	110	4	12	3	50
Mount Sinai Hospital [1-3]	Chicago	M. M. Kirshen	3,097	67	3	4	3	100
Northwestern University Medical Center								
Chicago Wesley Memorial Hospital [1-3]	Chicago	P. S. Rhoads	5,058	156	2	7	3	50
Passavant Memorial Hospital [1-3]	Chicago	A. R. Colwell	2,862	70	4	4	3	50
Veterans Admin. Research Hospital [1]	Chicago	C. Borden	497	30	8	21	2	...
Evanston Hospital [1-3]	Evanston, Ill.	L. D. Snorf	3,217	142	2	6	3	...
Norwegian American Hospital [1-3]	Chicago	M. Gethner	1,171	33	2	2	1	225
Presbyterian Hospital [1]	Chicago	J. A. Campbell	4,106	109	4	8	3	125
Provident Hospital [1-3]	Chicago	A. F. Connor	1,109	27	1	3	2	200
Ravenswood Hospital [1-3]	Chicago	B. L. Sargent	2,230	97	1	2	1	75
St. Joseph Hospital [1-3]	Chicago	L. Hines	1,093	45	2	2	1	200
St. Luke's Hospital [1-3]	Chicago	H. Wakefield	4,011	109	4	12	3	50
St. Mary of Nazareth Hospital [1]	Chicago	S. A. Motto	2,591	72	1	3	1	150
University of Chicago Clinics [1-3]	Chicago	W. Adams	3,433	123	8	22	3	175
University of Illinois Research and Educational Hospitals [1]	Chicago	H. F. Dowling	1,157	62	8	20	3	...
Women and Children's Hospital [2-3]	Chicago	M. Austin	1,142	21	1	1	1	100
St. Francis Hospital [1-3]	Evanston, Ill.	R. M. Jones	2,349	129	2	4	1	175
Little Company of Mary Hospital [1-3]	Evergreen Park, Ill.	R. E. Lee	3,306	91	2	2	1	150
West Suburban Hospital [3]	Oak Park, Ill.	E. F. Traut	1,638	63	1	1	1	225
St. Francis Hospital [1-3]	Peoria, Ill.	R. B. Rutherford	4,557	130	1	2	3	...
Clinic Hospital [1-3]	Bluffton, Ind.	A. C. Nickel	5,185	48	1	3	3	300
Indianapolis General Hospital [1-3]	Indianapolis	P. J. Fouts	1,734	146	4	15	3	165
Indiana University Medical Center [1]	Indianapolis	J. O. Ritchey	2,086	87	3	9	3	165
Methodist Hospital [1-3]	Indianapolis	I. J. Kwitny	2,738	61	1	6	3	273
St. Vincent's Hospital [1-3]	Indianapolis	R. M. Vandivier	1,992	104	1	4	3	275
St. Elizabeth Hospital	Lafayette, Ind.	R. P. Gripe	1,694	47	1	3	1	175
Iowa Methodist Hospital [1-3]	Des Moines, Iowa	H. J. Smith	3,282	102	1	3	3	150
University Hospitals [1-3]	Iowa City	W. B. Bean	2,868	137	8	23	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	E. G. Dimond	2,324	96	8	25	3	125
Veterans Admin. Hospital [1]	Kansas City, Mo.	A. P. Klotz	444	20	4	4	1	...
St. Francis Hospital [1-3]	Wichita, Kan.	W. C. Goodpasture	3,994	73	3	3	1	275
Wesley Hospital [1-3]	Wichita, Kan.	E. Mills	3,301	34	1	3	3	150
Good Samaritan Hospital [1]	Lexington, Ky.	J. Scott	2,884	107	1	1	1	225
St. Joseph Hospital [1-3]	Lexington, Ky.	J. W. Scott	2,119	72	1	3	1	230
Louisville General Hospital [1-3]	Louisville, Ky.	J. M. Kinsman	1,717	113	8	17	3	131
St. Joseph Infirmary [1-3]	Louisville, Ky.	G. Pedigo, Jr.	3,624	84	1	3	1	185
Charity Hospital of Louisiana								
Independent Unit [1]	New Orleans	J. O. Wellbaecher, Jr.	2,114	128	8	9	3	100
Louisiana State University Unit [1]	New Orleans	W. R. Akenhead	4,494	265	5	13	3	100
Tulane University Unit [1]	New Orleans	G. E. Burch	4,959	243	5	13	3	100
Ochsner Foundation Hospital [1]	New Orleans	W. A. Arrowsmith	2,192	33	4	12	3	200
Southern Baptist Hospital [1]	New Orleans	C. Nadler	6,039	97	1	3	1	225
Touro Infirmary [1]	New Orleans	S. Jacobs	5,254	122	2	6	3	100
Confederate Memorial Medical Center [1]	Shreveport, La.	M. D. Hargrove	4,465	121	3	9	3	125
Central Maine General Hospital [1]	Lewiston, Maine	M. A. Chapin	1,490	77	1	1	1	150
Maine General Hospital [1]	Portland, Maine	E. R. Blaisdell	1,947	64	2	6	3	100
Baltimore City Hospitals [1-3]	Baltimore	G. S. Mirick	1,543	124	4	9	3	75
Church Home and Hospital [1-3]	Baltimore	Z. R. Morgan	992	33	1	3	3	200
Franklin Square Hospital [1-3]	Baltimore	W. H. Smith	819	22	1	3	1	225
Hospital for Women	Baltimore	.....	.....	...	..	..	..	...
Johns Hopkins Hospital [1-3]	Baltimore	A. M. Harvey	2,389	238	..	11	3	20
Lutheran Hospital [1-3]	Baltimore	L. A. M. Krause	1,538	45	4	8	3	220
Maryland General Hospital [1-3]	Baltimore	E. F. Cotter	953	31	2	3	2	225
Mercy Hospital [1-3]	Baltimore	H. R. Peters	1,574	76	2	5	3	275
Provident Hospital and Free Dispensary [1-3]	Baltimore	L. Martin	609	22	1	2	1	150
St. Agnes Hospital [1-3]	Baltimore	L. P. Gundry	2,401	70	2	5	1	125
Sinai Hospital [1-3]	Baltimore	M. Sherry	1,805	75	3	9	3	110
South Baltimore General Hospital [1-3]	Baltimore	L. P. Gundry	1,299	27	2	4	1	150
Union Memorial Hospital [1-3]	Baltimore	W. A. Baetjer	2,020	88	4	6	3	115
University Hospital [1-3]	Baltimore	T. E. Woodward	2,568	168	8	16	3	50
Prince George's General Hospital	Cheverly, Md.	W. B. Moyers	2,976	56	2	2	1	200
Beverly Hospital	Beverly, Mass.	A. E. Parkhurst	1,845	77	..	1	1	100
Beth Israel Hospital [1-3]	Boston	H. L. Blumgart	2,714	118	3	10	3	42
Boston City Hospital [1-3]	Boston	F. Biguria-W. Castle	11,159	735	24	48	3	112
Carney Hospital [1-3]	Boston	N. A. Welch	1,709	52	2	4	2	125
Faulkner Hospital [1-3]	Boston	J. R. Graham	965	35	2	3	2	125
Lahey Clinic [1-3]	Boston	L. M. Hurxthal	1,274	46	15	30	3	175
Massachusetts General Hospital [1-3]	Boston	W. Bauer	6,564	312	12	16	3	66.67
Massachusetts Memorial Hospitals [1-3]	Boston	C. Keefer	1,778	68	3	19	3	25
New England Center Hospital [1-3]	Boston	S. Proger	4,272	39	5	41	3	83
New England Deaconess Hospital [1-3]	Boston	L. H. Hoyt-H. F. Root	3,485	69	8	9	2	150
Peter Bent Brigham Hospital [1-3]	Boston	G. W. Thorn	2,714	166	12	19	3	83
St. Elizabeth's Hospital [1-3]	Boston	S. McGinn	2,464	41	2	2	2	125
Cambridge City Hospital [1-3]	Cambridge, Mass.	E. J. Vogel	1,235	80	1	3	2	125
Mount Auburn Hospital [1-3]	Cambridge, Mass.	D. Hurwitz	1,355	64	1	3	1	125
Lawrence F. Quigley Memorial Hospital	Chelsea, Mass.	W. R. Ohler	471	16	2	2	1	255
Truesdale Hospital [1-3]	Fall River, Mass.	W. Mason	1,332	...	2	2	1	150
Lynn Hospital [1-3]	Lynn, Mass.	C. A. Palladino	2,710	54	1	1	2	150
Malden Hospital [1-3]	Malden, Mass.	D. Merrill	1,199	38	1	2	1	125
Newton-Wellesley Hospital	Newton Lower Falls, Mass.	E. E. Kattwinkel	2,463	61	..	..	1	170
Salem Hospital [1-3]	Salem, Mass.	S. N. Gardner	1,492	57	1	1	1	125
Springfield Hospital [1-3]	Springfield, Mass.	W. C. Barnes	2,473	79	3	6	3	100
Memorial Hospital [1-3]	Worcester, Mass.	R. W. Robinson	2,440	66	1	2	1	200
St. Vincent Hospital [1-3]	Worcester, Mass.	J. T. Brosnan	3,242	86	2	6	3	175
Worcester City Hospital [3]	Worcester, Mass.	E. Budnitz	1,665	177	1	2	3	215
St. Joseph Mercy Hospital [1-3]	Ann Arbor, Mich.	M. Marshall	2,528	81	4	7	3	200
University Hospital [1-3]	Ann Arbor, Mich.	C. C. Sturgis	4,662	193	16	46	3	145
Leila Y. Post Montgomery Hospital [1]	Battle Creek, Mich.	L. E. Verity	2,444	22	1	3	3	275
Alexander Blain Hospital [1-3]	Detroit	J. W. Kingsley	1,256	11	1	3	2	250
Detroit Memorial Hospital [1]	Detroit	J. Rom	2,679	42	2	4	3	250
Evangelical Deaconess Hospital [1-3]	Detroit	L. D. Stern	1,945	60	1	3	3	265
Florence Crittenton Hospital [1-3]	Detroit	W. B. Cooksey	950	43	1	1	1	...
Grace Hospital [1-3]	Detroit	D. Myers	5,250	146	4	12	3	225
Harper Hospital [1-3]	Detroit	R. J. Schneck	2,978	133	4	12	3	225

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [2]	Total Residencies Offered [2]	Length of Approved Program (Years)	Beginning Stipend (Month)
Henry Ford Hospital [1-3]	Detroit	J. G. Mateer	6,090	179	22	60	3	225
Jennings Memorial Hospital [1-3]	Detroit	D. Donald	670	7	1	3	3	350
Mount Carmel Mercy Hospital [1-3]	Detroit	H. L. Smith	4,964	176	4	10	3	225
Providence Hospital [1-3]	Detroit	G. I. Hiller	3,263	138	1	3	3	250
Receiving Hospital [1-3]	Detroit	G. B. Myers	4,701	425	11	30	3	270
St. Joseph Mercy Hospital [1]	Detroit	E. D. Maire	2,150	47	1	2	3	240
Sinai Hospital [1-3]	Detroit	J. E. Berk	2,565	67	4	8	3	275
Woman's Hospital [1-3]	Detroit	B. I. Johnstone	923	26	1	2	3	250
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	M. R. McQuiggan	3,475	195	5	17	3	270
Hurley Hospital [1]	Flint, Mich.	G. E. Drewyer	8,645	154	2	6	..	325
McLaren General Hospital [1]	Flint, Mich.	H. V. Sparks	2,196	75	1	3	3	325
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	R. Vander Meer	1,362	56	1	3	3	225
Butterworth Hospital [1-3]	Grand Rapids, Mich.	J. R. Venema	1,979	101	2	4	3	225
St. Mary's Hospital [1-3]	Grand Rapids, Mich.	J. Sanders	1,467	78	1	3	3	200
Bronson Methodist Hospital [1]	Kalamazoo, Mich.	H. E. De Pree	1,912	68	1	4	5	260
Edward W. Sparrow Hospital [1-3]	Lansing, Mich.	W. D. Hayford	3,466	106	1	3	3	350
St. Lawrence Hospital [1-3]	Lansing, Mich.	F. Swartz	12,050	188	2	2	3	...
Pontiac General Hospital [1-3]	Pontiac, Mich.	D. S. Smith	2,949	78	1	3	2	300
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	S. Miller	3,323	59	2	4	3	325
Saginaw General Hospital [1-3]	Saginaw, Mich.	B. M. Bullington	1,542	59	1	3	3	325
St. Mary's Hospital [1-3]	Duluth, Minn.	P. G. Roman	2 006	115	1	1	1	175
Asbury Methodist Hospital [1]	Minneapolis	W. S. Hagen	2,423	55	1	1	1	250
Minneapolis General Hospital [1-3]	Minneapolis	T. Lowry	1,607	125	4	10	3	182
Mount Sinai Hospital [1-3]	Minneapolis	E. Hill	2,291	65	1	1	1	182
Northwestern Hospital [1-3]	Minneapolis	D. Rizer	2,223	91	1	2	1	200
St. Barnabas Hospital [1-3]	Minneapolis	L. R. Scherer	2,099	70	1	1	1	...
University of Minnesota Hospitals [1-3]	Minneapolis	C. J. Watson	1,903	149	5	15	2	182
Mayo Foundation [1-3]	Rochester, Minn.	.....	23,496	814	64	139	3	150
Ancker Hospital [1-3]	St. Paul	J. F. Briggs	1,318	125	2	6	3	181
Charles T. Miller Hospital [1]	St. Paul	H. J. Wolff	3,063	60	1	3	3	185
St. Louis County Hospital [1-3]	Clayton, Mo.	R. O. Muether	966	102	2	5	3	225
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	P. L. Byers	1,664	172	4	12	3	150
Menorah Hospital Medical Center [1-3]	Kansas City, Mo.	A. M. Ginsberg	3,915	78	3	6	3	200
Research Hospital [1-3]	Kansas City, Mo.	M. J. Mueller	992	45	1	3	3	175
St. Joseph Hospital [1-3]	Kansas City, Mo.	T. R Jones	2,589	...	1	4	3	250
St. Luke's Hospital [1-3]	Kansas City, Mo.	H. P. Boughnou	3,194	103	2	4	3	175
Barnes Hospital [1-3]	St. Louis	W. B. Wood	4,911	248	12	29	3	50
De Paul Hospital [1-3]	St. Louis	L. D. Cassidy	2,735	105	2	5	3	200
Homer G. Phillips Hospital [1-3]	St. Louis	J. R. Smith	2,656	87	10	24	3	100
Jewish Hospital [1-3]	St. Louis	S. Sherry	3,442	125	6	9	3	100
Missouri Pacific Hospital [3]	St. Louis	L. B. Harrison	4,000	47	4	7	3	...
St. Anthony's Hospital [1-3]	St. Louis	R. V. Powell	2,027	34	1	1	1	150
St. John's Hospital [1-3]	St. Louis	C. H. Neilson	2,422	83	1	3	1	200
St. Louis City Hospital [1-3]	St. Louis	B. Bereu-W. A. Knight, Jr.	3,185	265	12	24	3	100
St. Luke's Hospital [1]	St. Louis	P. O. Hagemann	1,540	98	1	3	3	200
St. Mary's Group of Hospitals [1-3]	St. Louis	G. O. Broun	3,537	154	6	15	3	100
Montana Deaconess Hospital [1-3]	Great Falls, Mont.	F. R. Schemm	1,991	74	2	6	3	200
Creighton Memorial-St. Joseph's Hospital	Omaha	H. N. Neu	4,411	106	2	6	3	175
University of Nebraska Hospital [1-3]	Omaha	W. B. Moody	499	23	2	5	3	...
Dartmouth Medical School Affiliated Hospitals			3,345	118	5	15	3	198
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	J. W. Wright	.....	...	..	..	..	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	J. L. Grant	.....	...	..	..	..	...
Atlantic City Hospital [1-3]	Atlantic City, N. J.	W. B. Stewart	1,472	53	1	3	3	200
Cooper Hospital [1-3]	Camden, N. J.	R. L. Sharp	2,238	158	2	3	3	200
Englewood Hospital [1-3]	Englewood, N. J.	G. B. Barlow	1,030	35	1	1	1	150
Hackensack Hospital [1-3]	Hackensack, N. J.	L. W. Black	2,183	100	1	3	2	150
Jersey City Medical Center [1-3]	Jersey City, N. J.	T. J. White	10 359	161	8	23	3	92
Mountainside Hospital [1-3]	Montclair, N. J.	H. Halprin	3,598	154	1	3	3	175
Morristown Memorial Hospital	Morristown, N. J.	F. C. Bowers	2,392	90	1	2	2	185
Burlington County Hospital [1-3]	Mt. Holly, N. J.	P. S. MacNeal	817	63	3	3	1	100
Fitkin Memorial Hospital [1-3]	Neptune, N. J.	L. F. Albright	2,761	96	2	2	1	200
Harrison S. Martland Medical Center [1-3]	Newark, N. J.	J. Levin	3,631	163	6	10	3	162
Newark Beth Israel Hospital [1-3]	Newark, N. J.	H. H. Goldberg	2,048	85	1	3	3	75
St. Michael's Hospital [1-3]	Newark, N. J.	N. A. Antonius	2,460	73	4	6	3	125
St. Peter's General Hospital [1-3]	New Brunswick, N. J.	J. Sandella	1,003	47	1	1	1	175
Orange Memorial Hospital [1-3]	Orange, N. J.	D. W. Marquis	1,825	102	1	2	2	150
Bergen Pines County Hospital	Paramus, N. J.	G. B. Barlow	1,292	151	6	6	1	200
Paterson General Hospital [1-3]	Paterson, N. J.	A. G. Markel-J. E. Leach	1,474	48	2	2	1	125
Mercer Hospital [3]	Trenton, N. J.	J. F. Pessel	1,552	60	1	1	1	150
St. Francis Hospital [1-3]	Trenton, N. J.	P. Corrigan	5,209	80	2	4	2	210
Albany Hospital [1-3]	Albany, N. Y.	R. T. Beebe	3,085	200	3	14	3	...
Binghamton City Hospital [1-3]	Binghamton, N. Y.	C. H. Berlinghof	3,244	279	2	4	3	150
Beth-El Hospital [1-3]	Brooklyn	I. Snapper	2,026	32	4	7	3	125
Brooklyn Hospital [1-3]	Brooklyn	E. P. Maynard	1,969	...	4	8	3	...
Coney Island Hospital [1-3]	Brooklyn	M. Mensch	1,711	87	2	4	3	105
Cumberland Hospital [1-3]	Brooklyn	S. P. Bailey	1,907	54	2	5	3	...
Greenpoint Hospital [1-3]	Brooklyn	J. N. Cohen	1,925	35	2	4	2	105
Jewish Chronic Disease Hospital [1-3]	Brooklyn	E. L. Shlevin	2,231	100	4	8	3	75
Jewish Hospital [1-3]	Brooklyn	M. G. Goldner	1,373	14	10	22	3	175
Kings County Hospital								
County Division	Brooklyn	A. Fankhauser	.....	...	6	19	3	...
University Service [1-3]	Brooklyn	P. H. Long	5,768	269	6	20	3	104
Long Island College Hospital [1-3]	Brooklyn	J. H. Crawford	2,466	67	3	5	3	75
Maimonides Hospital [1-3]	Brooklyn	M. Michael, Jr.	2,508	100	..	9	3	75
Methodist Hospital [1-3]	Brooklyn	H. D. Fearon	1,987	54	2	5	3	175
Norwegian Lutheran Deaconesses' Home and Hospital [1-3]	Brooklyn	W. F. Rexer	793	61	1	2	3	160
St. Catherine's Hospital [1-3]	Brooklyn	M. Murphy	1,233	49	1	3	3	125
St. John's Episcopal Hospital [1-3]	Brooklyn	E. R. Marzullo	1,806	43	2	4	1	175
Wyckoff Heights Hospital [1-3]	Brooklyn	J. Indelicato	1,266	31	1	3	3	100
Allied Hospitals of the Sisters of Charity [1-3]	Buffalo	H. F. Brown	5,491	141	2	6	3	210
Buffalo General Hospital [1-3]	Buffalo	J. H. Talbott	4,836	183	7	9	3	175
Deaconess Hospital [1-3]	Buffalo	F. J. Montrose	2,264	74	2	6	1	300
Edward J Meyer Memorial Hospital [1]	Buffalo	D. K. Miller	3,775	173	5	16	3	179
Millard Fillmore Hospital [1-3]	Buffalo	J. F. Pamton	2,708	106	3	8	3	255
Clifton Springs Sanitarium and Clinic [1-3]	Clifton Springs, N. Y.	B. A. Watson	2,287	37	1	3	3	100
Mary Imogene Bassett Hospital [1-3]	Cooperstown, N. Y.	J. Bordley, III	1,080	50	1	3	3	145
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	C. Cramer	1,777	57	1	3	3	150
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	E. Calvelli-A. R. Anderson	3,379	311	4	8	3	225
Cornell University Infirmary [1-3]	Ithaca, N. Y.	N. S. Moore	1,258	...	4	4	1	208
Tomkins County Memorial Hospital								
Jamaica Hospital	Jamaica, N. Y.	M. A. Sanders	8,513	65	1	1	1	...

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Length of Approved Program (Years)	Beginning Stipend (Month)
Mary Immaculate Hospital [1-3]	Jamaica, N. Y.	P. Mazzola	1,526	30	2	2	1	120
Queen's Hospital Center [1-3]	Jamaica, N. Y.	A. A. Fischl	4,672	334	7	10	2	105
Charles S. Wilson Memorial Hospital [1-3]	Johnson City, N. Y.	J. C. Zillhardt	4,029	104	3	6	2	200
North Shore Hospital	Manhasset, N. Y.		1,069	29	..	4	2	200
Mount Vernon Hospital [3]	Mount Vernon, N. Y.	P. Reznikoff	1,611	51	1	2	2	200
New Rochelle Hospital [1-3]	New Rochelle, N. Y.	W. C. Meredith	5,286	70	1	3	3	225
Bellevue Medical Center								
Division I—Columbia University [1-3]	New York City	D. W. Richards	1,825	86	7	13	3	105
Division II—Cornell University [1-3]	New York City	T. P. Almy	1,948	81	8	13	3	105
Division III—N. Y. University College of Medicine [1-3]	New York City	W. S. Tillett	2,500	93	8	16	3	105
Division IV—New York University-Post-Graduate Medical School [1-3]	New York City	C. F. Wilkinson, Jr.	1,752	86	10	30	3	105
Beth David Hospital [1-3]	New York City	H. A. Solomon	2,129	28	1	1	1	...
Beth Israel Hospital [1-3]	New York City	A. M. Fishberg	1,711	68	4	4	3	120
Bird S. Coler Memorial Hospital and Home [1-3]	New York City	L. J. Boyd	2,247	33	12	36	2	157
Bronx Hospital [1-3]	New York City	E. E. Fischel	2,161	43	2	7	3	50
Flower and Fifth Avenue Hospitals [1-3]	New York City	L. J. Boyd	1,334	27	2	5	3	...
Fordham Hospital [1-3]	New York City	B. Pasquarelli	3,940	158	6	8	2	105
Francis Delafield Hospital [1-3]	New York City	R. Loeb	305	90	2	8	3	106
French Hospital [1-3]	New York City	H. J. McNeile	1,181	10	1	3	2	50
Goldwater Memorial Hospital University Division [1-3]	New York City	M. Rosenbluth	1,194	32	2	11	3	104
Harlem Hospital [1-3]	New York City	A. Altschul	3,985	75	4	10	3	...
Hospital for Joint Diseases [1-3]	New York City	M. Dinnerstein	683	19	1	2	2	80
Jewish Memorial Hospital [3]	New York City	B. M. Hershfield	1,040	45	1	1	1	150
Knickerbocker Hospital [1-3]	New York City	J. R. Murphy	2,667	58	2	4	3	110
Lebanon Hospital [1-3]	New York City	H. L. Frosch-S. J. Schneiers	1,294	43	1	1	1	100
Lenox Hill Hospital [1-3]	New York City	C. E. de la Chapelle-E. A. Lawrence	1,933	61	4	6	2	180
Lincoln Hospital [1-3]	New York City	J. Geiger	3,311	87	4	12	1	71
Memorial Center for Cancer and Allied Diseases [1-3]	New York City	R. W. Rawson-L. F. Craver	1,229	186	12	24	3	98
Metropolitan Hospital [1-3]	New York City	L. J. Boyd	4,020	137	5	13	3	104
Misericordia Hospital [1-3]	New York City	L. B. Rooney	860	16	1	2	1	100
Montefiore Hospital [1-3]	New York City	L. Leiter	2,492	119	16	26	3	75
Morrisania City Hospital [1-3]	New York City	S. Biloon	3,647	140	6	11	2	105
Mount Sinai Hospital [1-3]	New York City	A. B. Gutman	6,197	214	12	36	3	50
New York City Hospital [1-3]	New York City	L. R. Tuchman-W. Wheeler, Jr.	3,361	89	4	8	3	104
New York Hospital [1-3]	New York City	D. P. Barr	2,636	186	11	22	3	34
New York Infirmary [2-3]	New York City	A. P. McCombs	239	6	1	1	1	150
New York Polyclinic Medical School and Hospital [1-3]	New York City	J. P. Croce	1,695	29	1	3	3	...
New York University-Bellevue Medical Center University Hospital [1-3]	New York City	C. F. Wilkinson, Jr.	2,047	37	..	1	1	135
Presbyterian Hospital [1]	New York City	R. F. Loeb	7,788	130	12	20	3	208
Roosevelt Hospital [1-3]	New York City	J. M. Freston-A. J. Antenucci	2,491	78	6	12	3	116
St. Barnabas Hospital for Chronic Diseases [1-3]	New York City	A. J. Platek, Jr.	803	41	1	2	2	200
St. Clare's Hospital [1-3]	New York City	J. P. Croce	1,760	53	1	3	3	125
St. Francis Hospital [1-3]	New York City	E. P. Flood	1,669	50	3	4	2	175
St. Luke's Hospital [1-3]	New York City	G. J. Coffin	3,276	134	6	18	3	75
St. Vincent's Hospital [1-3]	New York City	O. La Rotonda	3,550	196	6	13	3	100
Sydenham Hospital [1-3]	New York City	E. Applebaum	805	17	1	3	1	105
United Hospital [1-3]	Port Chester, N. Y.	N. H. Schwartz	2,032	42	1	1	1	200
Genesee Hospital [1-3]	Rochester, N. Y.	C. Boller	1,400	109	2	5	3	75
Highland Hospital [1-3]	Rochester, N. Y.	J. R. Williams, Jr.	1,266	72	2	5	3	100
Rochester General Hospital [1-3]	Rochester, N. Y.	L. Pulsifer	2,144	147	3	9	3	100
St. Mary's Hospital [1-3]	Rochester, N. Y.	L. F. La Palm	3,299	227	4	8	3	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	W. S. McCann	60,378	361	..	15	3	...
Ellis Hospital [1-3]	Schenectady, N. Y.	H. Reynolds	3,575	89	2	4	3	150
Staten Island Hospital [1-3]	Staten Island, N. Y.	E. H. Robitzek	1,728	71	1	1	1	200
State University of New York Medical Center [1-3]	Syracuse, N. Y.	R. H. Lyons	7,895	323	12	36	3	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	R. R. Heffner	843	104	1	5	3	175
White Plains Hospital [1-3]	White Plains, N. Y.	E. W. Weber	1,513	44	1	3	3	175
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	C. H. Burnett	855	35	6	13	3	145
Charlotte Memorial Hospital [1]	Charlotte, N. C.	J. M. Alexander	2,364	71	1	2	2	250
Duke University Affiliated Hospitals			.....	...	..	..	3	...
Duke University Hospital [1-3]	Durham, N. C.	E. A. Stead, Jr.	3,056	110	14	34	..	42
Veterans Admin. Hospital	Durham, N. C.	J. V. Warren	2,306	69	4	13	..	...
Watts Hospital [1-3]	Durham, N. C.	I. H. Manning	2,668	47	2	5	3	100
Rex Hospital [1]	Raleigh, N. C.	E. W. Brian	1,596	40	1	1	1	200
St. Agnes Hospital [1]	Raleigh, N. C.	V. S. Caviness	808	26	1	1	1	250
City Memorial Hospital [1-3]	Winston-Salem, N. C.	C. R. Welfare	2,567	29	1	3	3	...
Kate Bitting Reynolds Memorial Hospital [1]	Winston-Salem, N. C.	E. L. Davis	2,018	46	1	2	2	200
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	E. H. Yount, Jr.	2,627	66	3	10	3	125
Bismarck Hospital [3]	Bismarck, N. Dak.	C. H. Peters	1,402	26	1	1	1	300
St. Luke's Hospital	Fargo, N. Dak.	L. G. Wold	1,558	40	2	2	1	300
Akron General Hospital [1-3]	Akron, Ohio	J. P. Sauvageot	1,320	65	2	5	3	250
City Hospital [1-3]	Akron, Ohio	R. Wilson	5,990	..	3	6	3	250
St. Thomas Hospital [1-3]	Akron, Ohio	R. B. Smith	2,628	114	2	5	3	250
Aultman Hospital [1-3]	Canton, Ohio	C. V. Smith	3,016	122	3	4	3	275
Mercy Hospital [1-3]	Canton, Ohio	I. B. Hamilton	3,776	65	2	6	3	200
Bethesda Hospital	Cincinnati	J. H. Kotte	1,430	14	1	1	1	200
Christ Hospital [1]	Cincinnati	I. H. Schroth	1,245	76	2	4	3	200
Cincinnati General Hospital [1-3]	Cincinnati	M. A. Blankenhorn	2,067	239	14	44	3	20
Deaconess Hospital [1-3]	Cincinnati	R. Woolford-O. Vilter	3,357	45	2	2	1	175
Good Samaritan Hospital [1-3]	Cincinnati	M. Marsh	2,776	118	2	6	3	175
Jewish Hospital [1-3]	Cincinnati	H. S. Schiro	2,408	178	5	10	3	145
St. Mary's Hospital [1-3]	Cincinnati	R. J. Anzinger	1,158	49	1	3	3	250
City Hospital [1-3]	Cleveland	R. W. Scott	2,136	176	5	16	3	150
Cleveland Clinic Hospital [1-3]	Cleveland	A. C. Ernstene	1,647	42	17	42	3	175
Fairview Park Hospital [1-3]	Cleveland	H. E. Christman	1,828	36	2	2	1	125
Lutheran Hospital [1-3]	Cleveland	M. August	1,474	54	1	4	3	162
Mount Sinai Hospital [1]	Cleveland	M. Siegel	3,322	150	5	9	3	215
St. Alexis Hospital [1-3]	Cleveland	R. R. Bartunek	3,953	75	2	6	2	250
St. John's Hospital [1-3]	Cleveland	W. J. Fornes	1,371	17	2	4	3	170
St. Luke's Hospital [1]	Cleveland	A. D. Nichol	3,533	130	3	7	3	120
St. Vincent's Charity Hospital [1-3]	Cleveland	M. I. Sparks	3,296	67	3	7	3	210
University Hospitals [1-3]	Cleveland	J. T. Wearn	3,947	225	13	23	3	125
Mount Carmel Hospital [1]	Columbus, Ohio	P. T. Knies	2,525	89	1	3	3	...
Ohio State University Hospitals University Hospitals [1-3]	Columbus, Ohio	B. K. Wiseman	3,906	156	5	19	3	150
White Cross Hospital [1-3]	Columbus, Ohio	D. J. Vincent	949	21	1	3	3	275

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
Miami Valley Hospital [1-3]	Dayton, Ohio	H. R. Cammerer	2,611	138	1	3	3	160
Huron Road Hospital [1-3]	East Cleveland, Ohio	E. A. Marshall	2,210	69	2	4	2	210
Marymount Hospital [2]	Garfield Heights, Ohio	A. A. Hill	2,089	..	2	2	1	...
Lakewood Hospital [1-3]	Lakewood, Ohio	J. T. Ledman	1,917	87	3	6	3	200
St. Rita's Hospital [1-3]	Lima, Ohio	F. G. Maurer	1,641	22	1	3	3	225
Maumee Valley Hospital [1-3]	Toledo, Ohio	W. S. Thal	1,078	71	2	6	3	...
Mercy Hospital [1-3]	Toledo, Ohio	G. W. Bascom	943	20	1	2	1	250
St. Vincent's Hospital [1-3]	Toledo, Ohio	M. A. Schnitker	3,661	83	2	4	3	225
Toledo Hospital [1-3]	Toledo, Ohio	C. S. Mundy	2,319	66	1	3	3	200
St. Elizabeth's Hospital [1-3]	Youngstown, Ohio	M. W. Neidus	2,389	70	2	3	2	300
Youngstown Hospital [1-3]	Youngstown, Ohio	W. H. Bunn	7,385	232	3	9	3	175
St. Anthony Hospital	Oklahoma City	P. M. McNeil	1,789	58	1	2	2	150
University Hospitals [1-3]	Oklahoma City	S. Wolf	1,086	75	6	12	3	85
Wesley Hospital [1]	Oklahoma City	W. W. Rucks, Jr.	1,236	49	1	3	1	225
St. John's Hospital [1-3]	Tulsa, Okla.	P. M. Schreck	2,925	60	2	4	3	...
Emanuel Hospital [1-3]	Portland, Ore.	G. M. Robins	2,802	114	1	3	3	175
Good Samaritan Hospital [1-3]	Portland, Ore.	H. Kammer	5,096	114	2	6	1	250
Providence Hospital [1-3]	Portland, Ore.	G. Long	3,816	176	1	3	3	175
St. Vincent's Hospital [1-3]	Portland, Ore.	A. L. Rogers	4,295	120	2	6	3	175
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	H. P. Lewis	2,257	237	3	8	2	85
Abington Memorial Hospital [1-3]	Abington, Pa.	J. T. Beardwood, Jr.	1,653	75	1	3	3	100
Allentown Hospital [1-3]	Allentown, Pa.	C. H. Kelchner	2,871	78	1	2	3	225
Sacred Heart Hospital [1-3]	Allentown, Pa.	A. W. Dubbs	2,440	64	1	2	2	225
Bryn Mawr Hospital [1-3]	Bryn Mawr, Pa.	W. W. Dyer	2,652	111	3	6	3	100
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	W. J. Stainsby	.....	..	3	8	3	125
Easton Hospital [1-3]	Easton, Pa.	J. Kineov	924	20	2	4	2	250
Hamot Hospital [1-3]	Erie, Pa.	J. B. Tredway	2,758	90	1	1	1	200
Westmoreland Hospital	Greensburg, Pa.	W. V. Conn	1,555	45	1	1	2	300
Harrisburg Hospital [1-3]	Harrisburg, Pa.	J. A. Daugherty	4,697	80	1	3	3	250
Harrisburg Polyclinic Hospital [1]	Harrisburg, Pa.	A. W. Cowley	2,406	98	2	4	2	250
Albert Einstein Medical Center—Northern Division [1-3]	Philadelphia	H. L. Goldburgh	2,748	130	2	7	3	150
Albert Einstein Medical Center—Southern Division [1-3]	Philadelphia	F. Leivy-T. Mendell	1,839	68	4	4	3	150
Frankford Hospital [1-3]	Philadelphia	G. E. Mark	189	44	1	1	1	250
Germantown Dispensary and Hospital [1-3]	Philadelphia	R. W. Mays	2,267	121	3	3	3	150
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	H. L. Bockus	1,133	36	2	5	2	...
Hahnemann Medical College and Hospital [3]	Philadelphia	C. L. Brown	2,570	92	3	8	3	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	F. C. Wood	4,696	149	12	29	3	...
Hospital of the Woman's Medical College of Pa. [1-3]	Philadelphia	W. G. Leaman	1,323	25	1	5	3	110
Jefferson Medical College Hospital [1-3]	Philadelphia	J. E. Deitrick	3,225	112	5	16	2	...
Lankenau Hospital [1-3]	Philadelphia	E. L. Bortz-F. L. Hartmann	2,278	75	2	4	2	100
Methodist Episcopal Hospital [1-3]	Philadelphia	S. R. Vogel	1,956	116	1	3	1	150
Pennsylvania Hospital [1-3]	Philadelphia	G. G. Duncan	2,317	124	7	7	3	20
Philadelphia General Hospital [1-3]	Philadelphia	H. L. Goldburgh	4,542	392	5	15	3	113
Presbyterian Hospital [1-3]	Philadelphia	J. W. Hundley	1,801	72	1	3	3	100
Temple University Hospital [1-3]	Philadelphia	R. A. Kern	2,977	98	4	12	3	...
Woman's Hospital [1-3]	Philadelphia	M. Easby	1,063	..	1	2	2	175
Allegheny General Hospital [1]	Pittsburgh	M. H. McCaffrey	2,210	83	1	3	2	200
Elizabeth Steel Magee Hospital [1-3]	Pittsburgh	L. A. Gregg	1,489	41	1	3	3	125
Mercy Hospital [1-3]	Pittsburgh	W. W. G. Maclachlan	1,200	25	3	9	3	175
Montefiore Hospital [1-3]	Pittsburgh	Y. D. Koskoff	2,315	70	4	9	3	125
Pittsburgh Hospital [1-3]	Pittsburgh	A. V. Morgan	1,525	40	1	1	1	...
Presbyterian Hospital [1-3]	Pittsburgh	A. H. Colwell	2,340	62	3	9	3	125
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	A. P. D'Zmura	2,349	119	1	3	3	200
St. Margaret Memorial Hospital [1]	Pittsburgh	C. J. Bowen	860	26	1	1	1	200
Western Pennsylvania Hospital [1-3]	Pittsburgh	G. Booth	3,507	201	2	6	3	225
Reading Hospital [1-3]	Reading, Pa.	J. R. Spannuth	2,068	138	1	2	2	225
St. Joseph's Hospital [1-3]	Reading, Pa.	J. B. Levan	1,369	..	1	1	1	250
Robert Packer Hospital [1-3]	Sayre, Pa.	S. D. Conklin	4,173	70	3	9	3	150
Scranton State Hospital [1-3]	Scranton, Pa.	M. Goldstein	1,595	87	1	1	2	266
Wilkes-Barre General Hospital [1-3]	Wilkes-Barre, Pa.	G. E. Baker	3,219	50	2	2	1	225
York Hospital	York, Pa.	H. B. Thomas	2,514	115	1	1	1	225
Rhode Island Hospital [1-3]	Providence, R. I.	M. N. Fulton	2,982	219	10	14	3	100
Roper Hospital [1-3]	Charleston, S. C.	V. Moseley	2,651	65	4	8	3	...
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	E. W. Patton	3,854	90	4	7	1	125
Memorial Hospital [1-3]	Chattanooga, Tenn.	W. B. MacGuire	1,829	21	2	2	1	250
St. Mary's Memorial Hospital	Knoxville, Tenn.	B. M. Overholt	3,712	58	3	7	1	300
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	C. V. Dowling	5,835	95	1	3	3	100
John Gaston Hospital [1-3]	Memphis, Tenn.	I. F. Tullis	2,669	332	4	10	3	85
St. Joseph Hospital [1-3]	Memphis, Tenn.	S. Blackwell	3,374	8	1	3	3	100
Baptist Hospital [1-3]	Nashville, Tenn.	R. M. Finks	2,709	38	2	3	1	175
George W. Hubbard Hospital of Meharry Medical College [1-3]	Nashville, Tenn.	F. T. Billings	1,557	76	2	5	3	125
St. Thomas Hospital [1-3]	Nashville, Tenn.	A. B. Scoville	2,216	63	3	6	2	...
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	H. J. Morgan	3,109	83	4	9	3	50
Oak Ridge Institute of Nuclear Studies [1]	Oak Ridge, Tenn.	G. A. Andrews	290	24	..	2	1	167
Baylor University Hospital [1-3]	Dallas, Texas	P. J. Thomas	4,897	124	2	5	3	125
Methodist Hospital [1-3]	Dallas, Texas	T. S. Barnes	1,743	17	1	4	3	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	D. W. Seldin	1,163	93	5	11	3	50
St. Paul's Hospital [1-3]	Dallas, Texas	T. M. Kirksey	3,746	111	3	6	3	125
Harris Hospital [1-3]	Fort Worth, Texas	D. Neighbors	3,988	63	1	4	2	300
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	C. T. Stone, Sr.	3,083	158	8	20	3	...
Baylor University School of Medicine Affiliated Hospitals								
Jefferson Davis Hospital [1-3]	Houston, Texas	J. A. Greene	1,786	191	16	24	3	75
Methodist Hospital [1-3]	Houston, Texas	H. W. Cummings, Jr.	2,119	48	3	6	3	120
Veterans Admin. Hospital [1-3]	Houston, Texas	H. D. Bennet	3,136	206	8	24	3	...
Hermann Hospital [1]	Houston, Texas	E. A. Wilkerson	5,699	133	2	6	3	100
St. Joseph's Hospital	Houston, Texas	S. Schnur	3,556	59	1	1	1	225
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	C. D. Howe	1,818	28	1	8	1	150
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	W. W. Bondurant, Jr.	542	56	1	3	2	150
Santa Rosa Hospital [3]	San Antonio, Texas	M. M. Minter	2,289	91	1	1	1	200
Scott and White Memorial Hospitals [1-3]	Temple, Texas	O. B. Gober	5,056	49	2	6	1	250
Thomas D. Dee Memorial Hospital [1-3]	Ogden, Utah	W. P. Daines	1,883	62	2	?	1	250
Dr. W. H. Groves Latter-Day Saints Hospital [1-3]	Salt Lake City	G. Curtis	1,099	80	1	3	3	200
Holy Cross Hospital [1-3]	Salt Lake City	L. W. Macfarlane	1,230	28	1	1	1	175
Salt Lake County General Hospital [1-3]	Salt Lake City	M. M. Wintrobe	1,058	99	6	30	3	175
Bishop DeGoesbriand Hospital [1-3]	Burlington, Vt.	C. M. Terrien	1,813	34	1	2	2	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	E. L. Amidon	1,602	51	3	6	2	110
Alexandria Hospital [1-3]	Alexandria, Va.	B. C. Jones, Jr.	1,007	25	1	3	1	225
University of Virginia Hospital [1-3]	Charlottesville, Va.	W. Parson	2,835	112	9	24	3	50
Chesapeake and Ohio Hospital [1-3]	Clifton Forge, Va.	A. D. Williams	2,602	28	2	4	1	150

Numerical and other references will be found on page 363.

8. INTERNAL MEDICINE—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Length of Approved Program (Years)	Beginning Stipend (Month)
NONFEDERAL								
Riverside Hospital [1-3]	Newport News, Va.	W. A. Read	1,442	29	2	2	1	250
De Paul Hospital [1-3]	Norfolk, Va.	J. D. Lea	2,036	73	2	4	3	200
Norfolk General Hospital [1-3]	Norfolk, Va.	R. B. Grinnan, Jr.	2,428	102	3	6	3	125
Johnston Willis Hospital [1-3]	Richmond, Va.	J. M. Hutcheson	2,572	82	1	3	1	250
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	W. B. Porter	3,710	137	12	21	3	50
Jefferson Hospital	Roanoke, Va.	G. B. Lawson	1,067	48	1	3	1	...
Lewis Gale Hospital [1-3]	Roanoke, Va.	R. H. Jones, Jr.	2,167	33	1	3	1	250
Doctors Hospital [1-3]	Seattle	J. D. Collins	2,040	101	1	2	1	125
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	R. H. Williams	5,286	409	6	12	3	110
Providence Hospital [1]	Seattle	R. Foster	2,559	82	4	6	2	200
Swedish Hospital [1-3]	Seattle	K. B. Skubi	3,247	172	1	3	1	100
Virginia Mason Hospital [1-3]	Seattle	R. L. King	3,277	74	3	6	3	100
Charleston General Hospital [1-3]	Charleston, W. Va.	W. A. Thornhill, Jr.	2,172	31	2	5	3	175
Memorial Hospital [1-3]	Charleston, W. Va.	P. A. Tuckwiller	2,324	46	1	3	3	225
Chesapeake and Ohio Hospital [1-3]	Huntington, W. Va.	W. E. Bray, Jr	2,566	32	4	4	1	150
Ohio Valley General Hospital [1-3]	Wheeling, W. Va.	D. A. MacGregor	1,826	59	1	3	3	300
La Crosse Lutheran Hospital [1-3]	La Crosse, Wis.	T. E. Gundersen	2,145	51	1	1	2	300
Madison General Hospital [1-3]	Madison, Wis.	A. B. Weinstein	1,668	107	2	2	1	150
St. Mary's Hospital [1-3]	Madison, Wis.	R. N. Allin	1,857	49	1	3	3	200
University Hospitals [1]	Madison, Wis.	O. O. Meyer	4,159	95	6	18	3	50
St. Joseph's Hospital	Marshfield, Wis.	K. H. Doege	1,946	51	1	2	3	300
Columbia Hospital [1-3]	Milwaukee	E. W. Mason	987	45	1	3	3	195
Milwaukee County Hospital [1-3]	Milwaukee	J. Shaiken	2,533	331	8	22	3	209
Milwaukee Hospital [1-3]	Milwaukee	S. M. Evans	2,172	80	2	4	3	195
Mount Sinai Hospital [1-3]	Milwaukee	R. A. Frisch	1,362	19	1	3	3	300
St. Joseph's Hospital [1-3]	Milwaukee	W. L. Coffey, Jr.	2,570	110	1	3	3	200
St. Luke's Hospital [1-3]	Milwaukee	F. J. Millen	759	34	2	2	1	275
Gorgas Hospital [1-3]	Ancon, C. Z.	E. A. Cleve	2,514	55	2	6	..	345
Queen's Hospital [1-3]	Honolulu, T. H.	H. L. Arnold, Sr.	2,724	118	4	7	3	125
Bayamon District Hospital [1-3]	Bayamon, P. R.	E. Martinez	1,151	84	1	4	3	150
San Juan City Hospital [1-3]	San Juan, P. R.	R. S. Diaz Rivera	903	38	2	6	..	150

9. MALIGNANT DISEASES

The following services have been approved for one year of training by the Council on Medical Education and Hospitals.

Hospitals, 11; Assistant Residencies and Residencies, 32

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
FEDERAL							
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1]	Hines, Ill.	L. A. Baker	1,050	107	1	1	...
NONFEDERAL							
City of Hope National Medical Center [1-3]	Duarte, Calif.	H. R. Bierman	678	103	4	4	300
Presbyterian Hospital-Olmsted Memorial [1-3]	Los Angeles	H. M. Kersten	506	27	..	1	125
Collis P. and Howard Huntington Memorial Hospital [1-3]	Pasadena, Calif.	L. G. Craig	608	24	1	2	240
Michael Reese Hospital [1-3]	Chicago	E. Uhlmann	910	72	2	2	...
Westfield State Sanatorium [1-3]	Westfield, Mass.	F. S. Hopkins	808	45	3	3	490
Ellis Fischel State Cancer Hospital [1-3]	Columbia, Mo.	N. D. Rodes	872	...	..	..	...
Montefiore Hospital [1-3]	New York City	D. Laszlo	724	109	5	6	75
American Oncologic Hospital [1-3]	Philadelphia	J. W. Bransfield	1,278	11	3	3	250
Jeanes Hospital [1-3]	Philadelphia	J. W. Carnwath-R. H. Driscoll	2,951	85	6	6	150
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	E. C. White	1,818	72	4	4	150

10. NEUROLOGICAL SURGERY

The following services have been approved by the Council and the American Board of Neurological Surgery, through the Residency Review Committee for Neurological Surgery, as offering acceptable training in the specialty.

Hospitals, 94; Assistant Residencies and Residencies, 304

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
UNITED STATES ARMY								
Army Medical Center [1-3]	Washington, D. C.	J. Martin	716	14	1	4	3	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	J. D. French	263	14	1	3	3	...
Veterans Admin. Hospital [1-3]	Los Angeles	W. E. Stern	551	22	1	3	3	...
Veterans Admin. Hospital [1-3]	San Francisco	O. W. Jones, Jr.	197	8	1	3	..	...
Veterans Admin. Research Hospital	Chicago	(See University of California Hospitals) (See Northwestern University Medical Center)						
Veterans Admin. Hospital [1]	Indianapolis	(See Indiana University Medical Center and Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	Louisville, Ky.	(See University of Louisville Affiliated Hospitals)						
Veterans Admin. Hospital	Boston (Jamaica Plain)	J. H. Drew	(See Massachusetts General Hospital)					
Veterans Admin. Hospital [1-3]	New York City (Bronx)	J. E. Scarff	220	9	1	4	3	...
Veterans Admin. Hospital [1-3]	Cleveland	(See Western Reserve University Hospitals)						
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	C. D. Scheibert	736	21	1	2	1	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1]	White River Junction, Vt.	(See Dartmouth Medical School Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	Richmond, Va.	(See University of Virginia Hospitals)						
NONFEDERAL								
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	J. Galbraith	648	17	..	1	3	108
Los Angeles County General Hospital [1]	Los Angeles	C. Rand	2,522	16	2	4	3	200
White Memorial Hospital [1-3]	Los Angeles	P. J. Vogel	383	19	1	2	3	146
Collis P. and Howard Huntington Memorial Hospital [1-3]	Pasadena, Calif.	C. H. Sheldon	428	15	1	3	2	...
Franklin Hospital [1-3]	San Francisco	H. A. Brown	(See University of California Hospitals)					
University of California Hospitals			.....	..	..	..	3	...
Herbert C. Moffitt Hospital	San Francisco		.....	..	..	..	..	...
University of California Hospital [1-3]	San Francisco	E. B. Boldrey	555	20	..	5	3	87

Numerical and other references will be found on page 363.

10. NEUROLOGICAL SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [2]	Total Residencies Offered [2]	Length of Approved Program (Years)	Beginning Stipend (Month)
Hartford Hospital [1-3]	Hartford, Conn.	W. B. Scoville	1,170	41	..	5	3	75
St. Francis Hospital [1-3]	Hartford, Conn.	R. C. Buckley	846	19	1	1	1	100
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	W. J. German	576	40	..	2	3	50
Georgetown University Hospitals		O. H. Fulcher	.....	..	..	..	3	...
Children's Hospital	Washington, D. C.		37	8	..	..	..	...
District of Columbia General Hospital	Washington, D. C.		.....	..	..	..	..	...
University Hospital	Washington, D. C.		343	9	..	..	..	...
George Washington University Hospitals		J. W. Watts	37	8	..	..	3	...
Children's Hospital	Washington, D. C.		.....	..	..	..	..	...
District of Columbia General Hospital	Washington, D. C.		.....	..	..	..	..	...
University Hospital	Washington, D. C.		258	8	1	1	..	155
Emory University Hospital [1]	Emory University, Ga.	E. F. Fincher	280	10	..	3	3	215
Mercy Hospital [1-3]	Chicago	H. C. Voris	315	13	1	3	3	100
Northwestern University Medical Center			.....	..	..	..	3	...
Chicago Wesley Memorial Hospital [1-3]	Chicago	P. C. Buey	71	4	..	3	3	50
Passavant Memorial Hospital [1-3]	Chicago	L. Davis	166	1	1	3	..	50
Veterans Admin. Research Hospital	Chicago	L. Davis	26	3	2	5	..	...
Presbyterian Hospital	Chicago	A. VerBrugghen	551	23	1	2	3	125
St. Luke's Hospital [1-3]	Chicago	E. Oldberg	(See Univ. of Illinois Neuropsychiatric Inst.)					
University of Chicago Clinics [1-3]	Chicago	J. P. Evans	239	18	2	4	3	175
University of Illinois Neuropsychiatric Institute [1]	Chicago	E. Oldberg	(See Neurology)				3	...
Indiana University Medical Center and Affiliated Hospitals			.....	..	..	..	3	...
Indiana University Medical Center Hospital [1]	Indianapolis	R. Heimburger	320	16	1	3	..	105
Veterans Admin. Hospital	Indianapolis	R. Heimburger	339	14	..	..	..	...
University Hospitals [1-3]	Iowa City	R. Meyers	418	26	..	3	3	138
University of Kansas Medical Center [1-3]	Kansas City, Kan.	W. P. Williamson	307	19	1	3	3	125
University of Louisville Affiliated Hospitals [1-3]	Louisville, Ky.	R. G. Spurling	650	24	1	3	3	...
Louisville General Hospital [1-3]	Louisville, Ky.	R. G. Spurling	.....	..	..	..	..	88
Veterans Admin. Hospital [1-3]	Louisville, Ky.	E. Grantham	.....	..	..	..	..	...
Charity Hospital of Louisiana								
Tulane University Unit [1]	New Orleans	D. H. Echols	297	20	5	13	1	175
Ochsner Foundation Hospital [1]	New Orleans	D. H. Echols	240	6	1	3	3	200
Johns Hopkins Hospital [1-3]	Baltimore	A. E. Walker	860	18	..	3	3	20
University Hospital [1-3]	Baltimore	J. G. Arnold, Jr.	625	25	2	6	3	50
Boston City Hospital [1-3]	Boston	D. Munro	350	13	..	3	3	132
Children's Hospital	Boston	F. D. Ingraham	637	26	..	4	3	...
Lahey Clinic [1-3]	Boston	G. Horrax	837	23	..	8	1	125
Massachusetts General Hospital [1-3]	Boston	J. C. White	1,143	36	2	5	3	66.67
New England Center Hospital [1-3]	Boston	B. Selverstone	269	11	..	3	3	83
Peter Bent Brigham Hospital	Boston	(See Childrens Hospital)						
University Hospital [1-3]	Ann Arbor, Mich.	E. A. Kahn	885	50	2	6	3	175
Grace Hospital [1-3]	Detroit	E. S. Gurdjian	780	22	1	3	3	225
Henry Ford Hospital [1-3]	Detroit	R. S. Knighton	428	18	1	3	3	225
University of Minnesota Hospitals [1-3]	Minneapolis	W. T. Peyton	442	16	..	6	3	102
Mayo Foundation [1-3]	Rochester, Minn.	W. M. Craig	3,294	66	11	28	3	150
Barnes Hospital [1-3]	St. Louis	H. G. Schwartz	501	41	..	3	3	50
Dartmouth Medical School Affiliated Hospitals								
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	R. G. Fisher	575	25	1	3	..	188
Veterans Admin. Hospital	White River Junction, Vt.		.....	..	..	..	..	...
Albany Hospital [1-3]	Albany, N. Y.	E. H. Campbell	1,066	52	1	3	3	...
Kings County Hospital								
University Service [1-3]	Brooklyn	E. J. Browder	3,448	146	3	6	3	104
Buffalo General Hospital [1-3]	Buffalo	W. B. Hamby	514	25	1	4	3	175
Bellevue Hospital Center								
Division IV—New York University Post-Graduate Medical School [1-3]	New York City	T. I. Hoen	290	24	2	3	3	71
Mount Sinai Hospital [1-3]	New York City	L. M. Davidoff	235	15	..	2	3	50
New York Hospital [1-3]	New York City	B. S. Ray	256	..	1	2	3	34
Presbyterian Hospital (Neurological Institute) [1]	New York City	J. L. Pool	752	27	6	9	3	208
St. Vincent's Hospital [1-3]	New York City	C. G. De Gutierrez-Mahoney	932	29	1	3	3	100
Duke University Hospital [1-3]	Durham, N. C.	B. Woodhall	1,159	31	2	8	3	67
North Carolina Baptist Hospital [1-3]	Winston-Salem, N. C.	E. Alexander, Jr.	429	24	1	3	3	125
University of Cincinnati Affiliated Hospitals			.....	..	..	..	3	...
Christ Hospital [1]	Cincinnati	F. H. Mayfield	304	6	1	1	..	200
Cincinnati General Hospital [1-3]	Cincinnati	R. L. McLaurin	802	40	1	3	..	84
Good Samaritan Hospital [1-3]	Cincinnati	F. Mayfield	261	8	..	1	..	175
Cleveland Clinic Hospital [1-3]	Cleveland	W. J. Gardner	807	22	1	4	3	175
Western Reserve University Hospitals			.....	..	..	..	3	...
City Hospital [1-3]	Cleveland	C. W. Elkins	.....	..	..	1	..	...
University Hospital [1-3]	Cleveland	F. E. Nulsen	.....	4	..	3	..	125
Veterans Admin. Hospital	Cleveland	F. E. Nulsen	147	8	1	1	..	...
White Cross Hospital [1-3]	Columbus, Ohio	H. E. Le Fever	472	29	1	3	1	275
University Hospitals [1-3]	Oklahoma City	H. Wilkins	191	7	..	2	2	95
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	J. Raaf	716	30	1	2	3	85
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	R. A. Groff	454	15	1	2	3	100
Hospital of the University of Pennsylvania [1-3]	Philadelphia	F. C. Grant	399	25	2	6	3	50
Jefferson Medical College Hospital [1-3]	Philadelphia	R. Jaeger	377	31	1	1	3	...
Temple University Hospital [1-3]	Philadelphia	M. Scott	741	7	1	3	3	...
Mercy Hospital [1-3]	Pittsburgh	F. H. Bragdon	443	7	1	3	3	175
Pittsburgh Medical Center	Pittsburgh		.....	..	..	..	3	...
Children's Hospital	Pittsburgh		.....	..	..	..	..	...
Presbyterian Hospital [1-3]	Pittsburgh	S. N. Rowe	221	3	1	4	..	125
Woman's Hospital	Pittsburgh		.....	..	..	..	..	...
Robert Packer Hospital [1-3]	Sayre, Pa.	A. B. King	485	17	1	1	1	150
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	R. E. Semmes	964	19	1	3	3	100
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	W. F. Meacham	573	11	1	4	3	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	S. R. Snodgrass	564	20	1	3	3	...
Baylor University College of Medicine								
Affiliated Hospitals	Houston, Texas		.....	..	..	..	3	...
Jefferson Davis Hospital	Houston, Texas	C. Carton	208	20	..	2	..	...
Methodist Hospital [1-3]	Houston, Texas	J. A. Greenwood	919	23	1	4	..	120
Veterans Admin. Hospital [1-3]	Houston, Texas	R. C. L. Robertson	293	17	1	2	..	...
University of Virginia Hospitals								
University Hospital [1-3]	Charlottesville, Va.	W. G. Crutchfield	748	10	1	4	..	50
Veterans Admin. Hospital [1-3]	Richmond, Va.	J. L. Ulmer	285	9	..	2	..	...
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	J. M. Meredith	978	27	1	4	3	50
University of Washington Affiliated Hospitals								
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	A. A. Ward, Jr.	419	48	..	1	3	130
University Hospitals [1]	Madison, Wis.	T. C. Erickson	338	80	1	3	3	50

Numerical and other references will be found on page 363.

11. NEUROLOGY

The following services have been approved by the Council and the American Board of Psychiatry and Neurology, through the Residency Review Committee for Psychiatry and Neurology, as offering acceptable training in the specialty.

Hospitals, 88; Assistant Residencies and Residencies, 311

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	J. W. Kemble	175	..	..	..	3	...
Fitzsimons Army Hospital [1]	Denver	R. E. Clausen, Jr.	196	..	..	..	3	...
Army Medical Center [1-3]	Washington, D. C.	J. F. Hammill	434	3	3	5	3	...
UNITED STATES NAVY								
U. S. Naval Hospital [1-3]	Bethesda, Md.	J. E. Nardini	320	4	2	2	1	...
U. S. Naval Hospital [1]	Philadelphia	J. F. McMullin	351	2	..	..	1	...
UNITED STATES PUBLIC HEALTH SERVICE								
National Institute of Health—Clinical Center [1-3]	Baltimore	M. Shy	212	2	..	4	1	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	E. Y. Williams	178	..	1	2	2	...
St. Elizabeth's Hospital [1-3]	Washington, D. C.	H. Stevens	68	5	1	1	1	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	J. M. Nielsen	1,091	37	1	3	3	...
Veterans Admin. Hospital [1-3]	Los Angeles	A. S. Rose	431	14	1	1	3	...
Veterans Admin. Hospital [1]	San Francisco	H. W. Newman	200	2	2	3	3	...
Veterans Admin. Hospital [1-3]	Denver	W. V. Huber	652	38	1	3	2	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	H. F. Corson	103	1	3	3	3	...
Veterans Admin. Hospital [1]	Hines, Ill.	B. H. Kesert	466	52	2	4	3	...
Veterans Admin. Hospital [1-3]	Topeka, Kan.	M. R. Shaver	302	13	1	2	2	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	I. O. Dein	191	12	1	2	2	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	F. A. Quadfasel	707	20	2	5	3	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	R. T. Costello	325	10	1	1	1	...
Veterans Admin. Hospital [1-3]	Minneapolis	R. C. Gray	635	10	2	4	3	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	W. A. Stephenson	313	12	1	2	1	...
Veterans Admin. Hospital [1-3]	East Orange, N. J.	J. Sobin	441	53	..	..	1	...
Veterans Admin. Hospital [1-3]	Brooklyn	M. E. Margulies	287	18	1	2	3	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	H. L. Flowers	769	25	..	2	3	...
Veterans Admin. Hospital	Pittsburgh	E. L. Youngve, Jr.	357	15	2	5	2	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1]	Salt Lake City (Ft. Douglas)	M. H. Thomas	105	1	1	2	2	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	J. B. Funkhouser	386	9	3	3	3	...
NONFEDERAL								
Los Angeles County General Hospital [1]	Los Angeles	J. M. Nielsen	3,293	223	3	3	3	200
White Memorial Hospital [1-3]	Los Angeles	L. B. Mann, Jr.	82	3	1	3	3	146
University of California Hospital [1-3]	San Francisco	R. B. Aird	287	4	..	3	2	87
University of Colorado Medical Center			.....	..	..	..	3	...
Colorado General Hospital [1-3]	Denver	J. W. Stephens	72	8	3	6	..	150
Colorado Psychopathic Hospital	Denver		.....	..	..	..	..	...
Denver General Hospital [1-3]	Denver	L. E. Daniels	67	4	..	..	..	...
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	G. H. Glaser	510	26	1	3	3	150
District of Columbia General Hospital [1-3]	Washington, D. C.	F. M. Forster	520	12	1	3	2	143
Georgetown University Hospital [3]	Washington, D. C.	F. M. Forster	122	2	4	9	2	20
George Washington University Hospital [1-3]	Washington, D. C.	W. Freeman	334	5	..	2	2	...
Cook County Hospital [1-3]	Chicago	W. R. Kirschbaum	347	3	2	2	1	...
Northwestern University Medical Center	Chicago	B. Boshes	.....	..	..	..	3	...
St. Luke's Hospital [1-3]	Chicago	R. Mackay	125	5	1	2	3	50
University of Chicago Clinics [1-3]	Chicago	R. B. Richter	261	7	1	3	2	175
University of Illinois Neuropsychiatric Institute [1]	Chicago	E. Oldberg	689	54	1	6	3	...
Indiana University Affiliated Hospitals			.....	..	..	..	3	...
Indianapolis General Hospital [1-3]	Indianapolis	A. T. Ross	213	16	1	1	..	165
Indiana University Medical Center [1]	Indianapolis	A. Ross	.....	..	2	6	..	165
Methodist Hospital [1-3]	Indianapolis	M. De Armond	534	..	1	1	1	273
University Hospitals [1-3]	Iowa City	A. L. Sahs	1,025	22	2	4	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	A. T. Steegmann	143	9	1	2	2	125
Louisville General Hospital [1-3]	Louisville, Ky.	E. Roseman	846	67	1	3	3	131
Charity Hospital of Louisiana								
Louisiana State University Unit [1]	New Orleans	R. A. Matthews	219	13	1	3	1	100
Tulane University Unit [1]	New Orleans	R. G. Heath	357	7	1	3	3	100
Baltimore City Hospitals [1-3]	Baltimore	J. W. Magladery	800	41	2	2	3	75
Johns Hopkins Hospital [1-3]	Baltimore	F. Ford	594	39	2	2	2	20
University Hospital	Baltimore		.....	..	..	..	3	...
Boston City Hospital [1-3]	Boston	D. E. Denny-Brown	367	10	3	8	3	112
Massachusetts General Hospital [1-3]	Boston	R. D. Adams	658	23	1	2	3	66.67
New England Center Hospital [1-3]	Boston	J. F. Sullivan	250	1	..	3	1	83
University Hospital [1-3]	Ann Arbor, Mich.	R. N. De Jong	811	15	4	13	3	145
Henry Ford Hospital [1-3]	Detroit	L. D. Proctor	336	7	1	3	3	225
University of Minnesota Hospitals			.....	..	..	..	3	...
Minneapolis General Hospital	Minneapolis		.....	..	..	..	..	...
University Hospitals [1-3]	Minneapolis	A. B. Baker	551	14	3	10	..	162
Mayo Foundation [1-3]	Rochester, Minn.	H. W. Woltman	3,818	33	6	8	3	150
Barnes Hospital [1-3]	St. Louis	J. L. O'Leary	520	9	4	10	3	50
Bergen Pines County Hospital [1-3]	Paramus, N. J.	S. A. Sandler	202	30	1	1	1	200
Albany Hospital [1-3]	Albany, N. Y.	R. Graves	410	11	1	3	3	...
Jewish Chronic Disease Hospital [1-3]	Brooklyn	A. M. Rabiner	.....	10	2	3	2	175
Kings County Hospital								
University Service [1-3]	Brooklyn	A. Rabiner	1,611	70	2	4	3	104
Buffalo General Hospital [1-3]	Buffalo	I. M. Hyman	.....	..	1	1	1	175
Edward J. Meyer Memorial Hospital [1]	Buffalo	B. H. Smith	175	2	1	1	1	225
Bellevue Medical Center								
Division II—Cornell University [1-3]	New York City	L. Hausman	433	36	..	2	3	71
Division III—New York University College of Medicine [1-3]	New York City	M. Bender	700	23	6	11	3	105
Fordham Hospital	New York City	J. H. Friedman	351	11	1	1	1	154.58
Goldwater Memorial Hospital [1-3]								
University Division	New York City	I. S. Freiman	492	5	1	3	1	104
Metropolitan Hospital [1-3]	New York City	I. Tarlov	95	3	2	2	1	104
Montefiore Hospital [1-3]	New York City	T. Lawyer, Jr.	504	34	2	5	3	75

Numerical and other references will be found on page 363.

11. NEUROLOGY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
NONFEDERAL								
Morrisania City Hospital [1-3]	New York City	D. Arbuse	.....	2	1	1	2	105
Mount Sinai Hospital [1-3]	New York City	M. Bender	1,098	27	7	11	3	50
New York City Hospital [1]	New York City	L. V. Lyons	490	16	1	2	2	104
Presbyterian Hospital (Neurological Institute) [1-3]	New York City	H. H. Merritt	3,011	49	10	15	3	208
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	T. W. Farmer	169	4	..	1	3	145
Duke University Hospital [1-3]	Durham, N. C.	E. C. Kunkle	281	2	3	6	2	135
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	R. L. Masland	196	3	1	3	3	125
Cincinnati General Hospital [1-3]	Cincinnati	C. D. Aring	352	85	2	6	3	50
Cleveland Clinic Hospital [1-3]	Cleveland	L. J. Karnosh	116	2	1	2	2	175
University of Oregon Med. School Hospitals and Clinics [1-3]	Portland	R. A. Swank	.....	..	..	..	1	...
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	J. C. Yaskin	652	20	2	3	2	...
Hospital of the University of Pennsylvania [1-3]	Philadelphia	G. Gammon	511	13	3	8	3	...
Jefferson Medical College Hospital [1-3]	Philadelphia	B. J. Alpers	519	5	1	2	3	...
Philadelphia General Hospital [1-3]	Philadelphia	A. M. Ornsteen	1,530	134	2	6	3	113
St. Francis Gen. Hospital and Rehabilitation Institute [1-3]	Pittsburgh	H. L. Mitchell	965	9	..	2	2	250
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	T. Harris	315	..	2	2	1	...
Baylor University College of Medicine Affiliated Hospitals		W. S. Fields	.....	..	..	..	3	...
Veterans Admin. Hospital [1-3]	Houston, Texas	W. S. Fields	434	31	2	6	..	...
University Hospitals [1]	Madison, Wis.	H. H. Reese	1,045	11	3	9	3	50

12. OBSTETRICS AND GYNECOLOGY

The following services have been approved by the Council and the American Board of Obstetrics and Gynecology.
Hospitals, 443; Assistant Residencies and Residencies, 2,163

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL									
UNITED STATES ARMY									
Letterman Army Hospital [1]	San Francisco	E. A. Zimmermann	OBG	3,210	..	2	6	3	...
Fitzsimons Army Hospital [1]	Denver	J. H. Smith	OBG	2,747	49	..	..	3	...
Army Medical Center [1-3]	Washington, D. C.	H. L. Riva	OBG	3,389	2	3	9	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	J. W. Simpson	OBG	3,535	6	2	6	3	...
Tripler Army Hospital [1]	Honolulu, T. H.	E. B. Hopper	OBG	4,567	1	4	9	3	...
UNITED STATES NAVY									
U. S. Naval Hospital [1]	Oakland, Calif.	R. W. Tandy, Sr.	OBG	4,809	..	..	..	3	...
U. S. Naval Hospital [1]	San Diego, Calif.	W. S. Baker	OBG	6,530	10	..	..	3	...
U. S. Naval Hospital [1-3]	Great Lakes, Ill.	M. M. Rubin	OBG	3,147	..	..	3	3	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	H. H. Hill	OBG	3,852	5	2	6	3	...
U. S. Naval Hospital [1]	Chelsea, Mass.	L. T. Dorgan	OBG	2,161	53	2	5	3	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	S. L. Arje	OBG	3,232	25	..	..	3	...
U. S. Naval Hospital [1]	Philadelphia	E. L. Woolsey	OBG	3,833	2	..	..	3	...
U. S. Naval Hospital [1-3]	Portsmouth, Va.	P. Peterson	OBG	16,415	..	2	4	3	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE									
Freedmen's Hospital [1-3]	Washington, D. C.	J. W. Ross	OBG	4,508	6	..	6	3	...
NONFEDERAL									
Carraway Methodist Hospital [1-3]	Birmingham, Ala.	T. M. Boulware	OB	2,386	..	1	1	1	250
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	J. R. Garber-W. N. Jones	OBG	6,136	6	3	9	3	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	O. T. West	OB	1,320	..	1	3	2	225
Good Samaritan Hospital [3]	Phoenix, Ariz.	C. Van Epps	OBG	3,881	..	1	1	1	250
Maricopa County General Hospital [1-3]	Phoenix, Ariz.	P. Windrow	OBG	2,034	1	..	1	1	300
St. Joseph's Hospital [1-3]	Phoenix, Ariz.	C. B. Warrenburg	OBG	5,455	1	1	1	1	225
University Hospital [1-3]	Little Rock, Ark.	W. E. Brown	OBG	3,122	5	3	9	3	145
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	T. R. Hofmann	OBG	2,896	2	1	2	1	175
San Joaquin General Hospital [1-3]	French Camp, Calif.	D. Harrington	OBG	1,895	2	1	3	3	235
Glendale Sanitarium and Hospital [1]	Glendale, Calif.	J. B. Brown	OBG	2,672	..	1	1	1	165
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	S. G. Pillsbury	OB	4,170	1	2	2	1	150
California Hospital [1-3]	Los Angeles	G. W. Hewitt	OBG	2,463	2	4	10	3	150
Cedars of Lebanon Hospital [1-3]	Los Angeles	E. Krahulik-L. Krohn	OBG	3,904	..	1	2	2	150
Hospital of the Good Samaritan [1-3]	Los Angeles	R. D. McBurney	OBG	3,547	..	1	2	3	200
Los Angeles County General Hospital [1]	Los Angeles	B. J. Hanley	OBG	21,451	38	5	12	3	200
Presbyterian Hospital-Olmsted Memorial [1-3]	Los Angeles	R. R. Herren-H. C. Gernand	OBG	4,497	18	1	3	3	125
Queen of Angels Hospital [1-3]	Los Angeles	A. M. McCarthy	OBG	6,670	4	1	3	3	150
White Memorial Hospital [1-3]	Los Angeles	H. F. Ziprick	OBG	2,604	4	2	4	3	146
Highland Alameda County Hospital [1-3]	Oakland, Calif.	G. F. Calvin	OBG	3,488	6	3	4	3	195
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	R. W. King	OBG	4,289	7	5	15	3	175
Collis P. and Howard Huntington Memorial Hosp. [1-3]	Pasadena, Calif.	G. A. Macer	OBG	3,095	..	1	1	1	250
Mercy Hospital [1]	San Diego, Calif.	P. L. Martin	OBG	7,280	2	2	5	2	200
San Diego County General Hospital [1-3]	San Diego, Calif.	J. A. Rust	OBG	1,657	7	1	2	2	150
Children's Hospital [1-3]	San Francisco	D. A. Dallas	OBG	3,055	1	2	4	2	125
Mary's Help Hospital [1-3]	San Francisco	C. L. Cooley	OBG	2,697	..	1	2	2	150
St. Francis Memorial Hospital [1-3]	San Francisco	C. D. Hart	OBG	2,553	..	3	3	2	250
St. Joseph's Hospital [1-3]	San Francisco	H. Von Geldern	OBG	1,984	..	1	2	2	150
St. Luke's Hospital [3]	San Francisco	J. R. Upton	OBG	1,727	..	2	3	2	200
St. Mary's Hospital [1-3]	San Francisco	P. H. Arnot	OBG	2,034	1	1	3	3	150
San Francisco Hospital									
Stanford University Service	San Francisco	C. E. McLennan	OBG	1,564	..	2	3	1	175
University of California Service [3]	San Francisco	E. B. King	OBG	1,528	..	2	3	1	175
Stanford University Hospitals [1-3]	San Francisco	C. E. McLennan	OBG	2,757	2	4	11	3	80
University of California Hospital [1-3]	San Francisco	H. F. Traut	OBG	2,163	3	3	9	3	87
Santa Clara County Hospital [1]	San Jose, Calif.	J. C. Muir	OBG	1,746	..	1	4	3	...
St. John's Hospital	Santa Monica, Calif.	B. H. Watson	OBG	4,610	..	1	1	2	175
Harbor General Hospital [1-3]	Torrance, Calif.	D. G. Morton	OBG	3,065	6	2	6	3	200
Presbyterian Hospital [1-3]	Denver	M. C. Waddell	OBG	2,491	..	1	1	1	150
St. Joseph's Hospital [1-3]	Denver	H. J. Von Detten	OBG	3,359	..	1	3	3	150
University of Colorado Medical Center			.....	.....	..	..	..	..	...
Colorado General Hospital [1-3]	Denver	E. S. Taylor	OBG	2,032	8	6	15	3	100
Denver General Hospital [1-3]	Denver	N. P. Isbel	OBG	2,091	9	..	..	3	...

Numerical and other references will be found on page 363.

12. OBSTETRICS AND GYNECOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
Bridgeport Hospital [1-3]	Bridgeport, Conn.	C. Griswold	OB	2,332	1	1	2	2	240
St. Vincent's Hospital [1-3]	Bridgeport, Conn.	F. Kinder	OB	3,534	1	2	4	2	300
Hartford Hospital [1-3]	Hartford, Conn.	L. F. Middlebrook	OBG	8,994	6	1	3	3	50
St. Francis Hospital [1-3]	Hartford, Conn.	L. P. James	OBG	4,958	5	1	3	3	100
New Britain General Hospital [1-3]	New Britain, Conn.	D. A. Bristoll	OBG	2,728	..	1	3	2	200
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	C. L. Buxton-J. A. Fiorito	OBG	6,302	4	4	12	3	50
Hospital of St. Raphael [3]	New Haven, Conn.	C. E. Johnson	OBG	4,053	..	2	5	3	125
Lawrence and Memorial Associated Hospitals [1-3]	New London, Conn.	E. H. Blank	OBG	2,703	..	3	3	1	250
Norwalk Hospital [1-3]	Norwalk, Conn.	G. V. Gorham	OB	2,120	..	1	1	1	160
Delaware Hospital [1-3]	Wilmington, Del.	S. W. Rennie	OBG	4,484	1	1	2	2	180
Columbia Hospital for Women and Lying-In Asylum [1-3]	Washington, D. C.	W. P. Haynes-H. J McNitt	OBG	7,289	..	3	9	3	50
District of Columbia General Hospital [1-3]	Washington, D. C.	J. Parks-A. Marchetti	OBG	7,327	5	3	7	3	143
Doctors Hospital [1-3]	Washington, D. C.	J. K. Cromer	OBG	3,259	1	1	3	2	150
Garfield Memorial Hospital [1-3]	Washington, D. C.	W. Terrell, Jr.-H. Ramsey	OBG	3,450	4	2	6	3	210
Georgetown University Hospital [3]	Washington, D. C.	A. A. Marchetti	OBG	4,563	1	3	7	3	20
George Washington University Hospital [1-3]	Washington, D. C.	J. Parks	OBG	5,630	20	1	5	3	150
Providence Hospital [1-3]	Washington, D. C.	G Ellis	OBG	3,394	1	1	3	3	200
Sibley Memorial Hospital [1-3]	Washington, D. C.	M. Kaufman	OBG	3,085	..	2	5	2	200
Duval Medical Center [1-3]	Jacksonville, Fla.	F. Richards	OBG	2,336	6	1	2	2	150
St. Luke's Hospital [1]	Jacksonville, Fla.	J. C. Taylor-F. Richards	OBG	3,009	1	2	4	2	200
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	E. F. McCall-V. Hughes	OBG	6,086	1	2	6	3	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	J. D. Milton	OBG	6,074	7	2	5	3	75
Mount Sinai Hospital [1-3]	Miami Beach, Fla.	H. Kraff	OBG	1,758	1	1	2	2	250
Orange Memorial Hospital [1-3]	Orlando, Fla.	D. D. Brame-H. A. Day	OBG	3,665	3	2	2	2	150
Mound Park Hospital [1]	St. Petersburg, Fla.	J. Pilkington	OBG	1,654	..	1	1	1	283
Tampa Municipal Hospital [1-3]	Tampa, Fla.	A. Wallace, Jr.	OBG	2,181	21	1	3	1	125
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	R. K. Hancock	OBG	8,282	3	5	10	3	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	R. A. Bartholomew	OBG	4,325	5	3	6	3	200
Grady Memorial Hospital [1-3]	Atlanta, Ga.	W. L. Caton	OBG	7,397	8	5	15	3	20
Piedmont Hospital [1-3]	Atlanta, Ga.	C. B. Upshaw	OBG	2,261	..	1	1	1	160
St. Joseph's Infirmary [1-3]	Atlanta, Ga.	M. Benson	OBG	2,609	..	1	3	2	165
University Hospital [1-3]	Augusta, Ga.	R. Torpin	OBG	4,946	5	2	5	3	160
Augustana Hospital [1-3]	Chicago	W. H. Browne	OB	1,185	..	2	2	1	150
Chicago Maternity Center [1-3]	Chicago	B. E. Tucker-H. B. Benaron	OB	4,132	..	3	11	1	150
Cook County Hospital [1-3]	Chicago	A. Webster-F. Falls	OBG	18,440	12	18	18	3	...
Englewood Hospital [3]	Chicago	C. D. Krause	OB	1,588	..	1	1	1	200
Frank Cuneo Memorial Hospital [3]	Chicago	A. Daro-H. O. Maryan	OBG	2,196	2	2	6	2	150
Grant Hospital [1-3]	Chicago	W. J. Reich	OBG	2,193	1	1	3	3	225
Henrotin Hospital [1]	Chicago	J. R. Wolff	OB	958	1	1	1	1	225
Hospital of St. Anthony De Padua [1-3]	Chicago	F. J. Fara	OB	2,197	..	2	2	1	250
Illinois Masonic Hospital [1-3]	Chicago	F. J. Roos	OBG	2,528	..	2	3	2	115
Lewis Memorial Maternity Hospital [1-3]	Chicago	H. E. Schmitz	OBG	3,372	7	4	13	3	50
Loretto Hospital [1-3]	Chicago	J. J. O'Hearn	OB	1,199	..	1	1	1	200
Lutheran Deaconess Home and Hospital [3]	Chicago	A. D. Green	OB	1,441	1	2	2	1	200
Mercy Hospital [1-3]	Chicago	H. E. Schmitz	OBG	1,948	3	..	4	3	100
Michael Reese Hospital [1-3]	Chicago	L. E. Frankenthal	OBG	4,979	..	2	6	3	50
Mount Sinai Hospital [1-3]	Chicago	H. M. Brill	OBG	3,496	1	1	5	3	100
Northwestern University Medical Center									
Chicago Wesley Memorial Hospital [1-3]	Chicago	G. H. Gardner	OBG	8,085	3	2	7	3	50
Passavant Memorial Hospital [1-3]	Chicago	J. I. Brewer	OBG	3,074	..	1	1	3	50
Evanston Hospital [1-3]	Evanston, Ill.	D. N. Danforth	OBG	2,829	3	1	3	3	50
Presbyterian Hospital [1]	Chicago	E. Allen	OBG	2,722	2	3	7	3	125
Provident Hospital [1-3]	Chicago	R. C. Stepto-T. C. Raines	OBG	3,176	33	3	5	3	200
Ravenswood Hospital [1-3]	Chicago	J. Davis	OBG	1,590	..	2	4	1	75
St. Anne's Hospital [1-3]	Chicago	R. J. Hawkins	OBG	4,922	1	6	6	3	150
St. Elizabeth Hospital [3]	Chicago	F. J. Walsh	OBG	3,641	2	2	2	2	200
St. Joseph Hospital [1-3]	Chicago	C. Geiger	OBG	1,943	1	2	4	3	200
St. Luke's Hospital [1-3]	Chicago	E. A. Edwards	OBG	2,536	1	4	12	3	50
St. Mary of Nazareth Hospital [1]	Chicago	M. E. Uznanski	OBG	2,572	3	2	2	1	150
Swedish Covenant Hospital [1-3]	Chicago	G. L. Rosene	OB	1,987	..	2	2	1	200
University of Chicago Clinics [1-3]	Chicago	M. E. Davis	OBG	6,073	11	14	23	3	175
Billings Hospital									
Chicago Lying-In Hospital and Dispensary									
University of Illinois Research and Educational Hospitals [1]	Chicago	V. C. Freda	OBG	2,673	4	2	6	3	...
Women and Childrens Hospital [2-3]	Chicago	F. Hark-L. Snow	OBG	1,531	1	1	3	3	100
St. Francis Hospital [1-3]	Evanston, Ill.	J. M. Bailey	OBG	4,202	1	1	3	3	175
Little Company of Mary Hospital [1-3]	Evergreen Park, Ill.	P. E. Lawler-W. T. Carlisle	OBG	5,684	3	5	8	3	150
West Suburban Hospital [3]	Oak Park, Ill.	F. H. Falls	OBG	5,401	2	2	4	2	225
Methodist Hospital of Central Illinois [1-3]	Peoria, Ill.	R. W. Brandes	OB	2,560	..	1	1	1	200
St. Francis Hospital [1-3]	Peoria, Ill.	C. J. Heiberger	OBG	4,457	..	1	2	2	...
St. Anthony Hospital [1-3]	Rockford, Ill.	G. T. Burns	OBG	370	..	1	2	1	200
Indianapolis General Hospital [1-3]	Indianapolis	J. W. Hofmann	OBG	3,547	1	2	8	3	165
Indiana University Medical Center [1]	Indianapolis	C. P. Huber	OBG	4,249	1	3	8	3	165
Methodist Hospital [1-3]	Indianapolis	L. J. Clark	OBG	7,214	2	1	2	3	273
St. Vincent's Hospital [1-3]	Indianapolis	P. F. Muller	OBG	3,103	2	1	3	3	275
St. Elizabeth Hospital	Lafayette, Ind.	F. W. Peyton	OBG	2,214	..	..	2	1	175
University Hospitals [1-3]	Iowa City	J. H. Randall	OBG	2,395	12	2	8	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	L. A. Calkins	OBG	2,767	3	2	8	3	125
St. Francis Hospital [1-3]	Wichita, Kan.	N. C. Siebert	OBG	4,750	..	1	3	1	275
Wesley Hospital [1-3]	Wichita, Kan.	E. X. Crowley	OBG	4,431	1	1	1	1	175
St. Joseph Hospital [1-3]	Lexington, Ky.	A. B. Barrett	OBG	1,837	1	1	1	1	230
Louisville General Hospital [1-3]	Louisville, Ky.	W. O. Johnson	OBG	3,608	1	3	9	3	105
St. Joseph Infirmary [1-3]	Louisville, Ky.	E. R. Cadden	OBG	3,875	5	1	3	3	185
Charity Hospital of Louisiana									
Independent Unit [1]	New Orleans	A. Jacobs	OBG	4,692	4	3	9	3	100
Louisiana State University Unit [1]	New Orleans	M. L. McCall	OBG	6,670	7	4	12	3	100
Tulane University Unit [1]	New Orleans	C. G. Collins	OBG	6,920	13	4	12	3	100
Hotel Dieu-Sisters Hospital [1]	New Orleans	E. Nelson	OBG	4,389	2	2	4	1	225
Ochsner Foundation Hospital [1]	New Orleans	C. Tyrone	OBG	314	..	2	5	3	200
Southern Baptist Hospital [1]	New Orleans	A. Mickal	OBG	6,534	..	2	6	3	225
Touro Infirmary [1]	New Orleans	A. Caire, Jr.-E. P. Thomas	OBG	4,267	10	2	6	3	100
Confederate Memorial Medical Center [1]	Shreveport, La.	E. E. Dilworth	OBG	5,436	3	3	9	3	125

Numerical and other references will be found on page 363.

12. OBSTETRICS AND GYNECOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
Baltimore City Hospitals [1-3]	Baltimore	L. H. Douglass- B. C. Compton	OBG	4,480	2	5	13	3	75
Bon Secours Hospital [3]	Baltimore	H. B. McNally-E. Novak	OBG	3,311	2	1	3	3	229
Church Home and Hospital [1-3]	Baltimore	J. K. B. E. Seeger	OB	1,077	6	1	1	1	200
Franklin Square Hospital [1-3]	Baltimore	I. A. Siegel	OBG	1,276	7	2	5	3	225
Hospital for Women [1-3]	Baltimore	J. F. Savage- L. Brady	OBG	5,010	3	7	11	3	229
Johns Hopkins Hospital [1-3]	Baltimore	N. J. Eastman- R. W. Te Linde	OBG	6,311	21	..	12	3	20
Lutheran Hospital [1-3]	Baltimore	W. N. Long, Jr.- W. K. Diehl	OBG	3,677	..	2	6	3	220
Maryland General Hospital [1-3]	Baltimore	D. M. Dixon- J. D. Woodruff	OBG	2,387	10	3	6	3	225
Mercy Hospital [1-3]	Baltimore	J. J. Erwin-F. K. Morris	OBG	3,857	2	2	4	3	...
Provident Hospital and Free Dispensary [1-3]	Baltimore	L. H. Douglass	OB	1,636	..	..	2	1	150
St. Agnes Hospital [1-3]	Baltimore	H. B. McNally- T. S. Bowyer	OBG	2,457	4	1	3	3	125
St. Joseph's Hospital [3]	Baltimore	H. B. Boyle, Jr.- G. A. Galvin	OBG	2,225	..	2	4	3	225
Sinai Hospital [1-3]	Baltimore	I. A. Siegel- A. A. Sondheimer	OBG	5,180	3	3	11	3	110
South Baltimore General Hospital [1-3]	Baltimore	J. K. B. E. Seegar	OB	781	..	3	6	2	150
Union Memorial Hospital [1-3]	Baltimore	J. M. Haws	OB	2,128	1	2	3	2	115
University Hospital [1-3]	Baltimore	L. Douglass- J. Hundley, Jr.	OBG	4,746	7	4	13	3	50
Prince George's General Hospital	Cheverly, Md.	J. F. Warren	OBG	2,648	..	3	3	1	200
Beth Israel Hospital [1-3]	Boston	H. H. Rosenfield	OB	2,592	..	3	4	2	42
Boston City Hospital [1-3]	Boston	B. Tenney, Jr.	OBG	5,226	1	6	15	3	112
Boston Lying-In Hospital [1-3]	Boston	D. E. Reid	OB	7,847	4	6	12	3	50
Carney Hospital [1-3]	Boston	R. J. Heffernan	OBG	863	2	2	6	3	125
Massachusetts Memorial Hospitals [1-3]	Boston	L. Parsons	OBG	1,655	..	2	4	3	50
New England Hospital [1-3]	Boston	M. A. Phillips	OB	1,293	..	1	2	2	50
St. Elizabeth's Hospital [1-3]	Boston	W. J. McDonald	OBG	4,786	..	1	2	3	125
St. Margaret's Hospital [3]	Boston	D. J. McSweeney- J. J. Meehan	OB	3,078	1	2	4	2	125
Booth Memorial Hospital [1-3]	Brookline, Mass.	S. C. Kasdon	OB	561	..	2	2	1	200
Free Hospital for Women [1-3]	Brookline, Mass.	G. Van S. Smith	GYN	3,112	..	4	12	3	50
Cambridge City Hospital [1-3]	Cambridge, Mass.	P. P. McGovern	OBG	2,174	..	1	3	3	125
St. Anne's Hospital [3]	Fall River, Mass.	E. F. Shay	OBG	1,670	..	2	2	1	150
Quincy City Hospital [1-3]	Quincy, Mass.	L. H. Van Raalte	OBG	249	..	1	2	1	102
St. Joseph Mercy Hospital [1-3]	Ann Arbor, Mich.	H. H. Cummings	OBG	2,286	2	2	4	3	200
University Hospital [1-3]	Ann Arbor, Mich.	N. F. Miller	OBG	2,470	23	3	12	3	145
Detroit Memorial Hospital [1]	Detroit	H. F. Jarvis	OBG	2,230	2	1	3	3	250
Evangelical Deaconess Hospital [1-3]	Detroit	L. Braun	OBG	1,625	..	1	1	1	265
Florence Crittenton Hospital [1-3]	Detroit	H. A. Pearse	OBG	3,847	..	2	6	3	...
Grace Hospital [1-3]	Detroit	O. W. Pickard	OBG	9,385	1	4	16	3	225
Harper Hospital [1-3]	Detroit	H. C. Mack	OBG	5,682	4	3	7	3	225
Henry Ford Hospital [1-3]	Detroit	C. P. Hodgkinson	OBG	3,860	6	2	6	3	225
Herman Kiefer Hospital [1-3]	Detroit	C. S. Stevenson	OB	5,570	3	2	4	2	273
Mount Carmel Mercy Hospital [1-3]	Detroit	C. N. Swanson	OBG	8,442	..	3	9	3	225
Providence Hospital [1-3]	Detroit	H. Henderson	OBG	5,357	5	2	5	3	250
Receiving Hospital [1-3]	Detroit	C. S. Stevenson	GYN	1,705	13	2	6	3	225
St. John Hospital [1-3]	Detroit	J. P. Ottaway	OBG	3,397	..	1	3	1	275
St. Joseph Mercy Hospital [1]	Detroit	J. E. Clifford- G. E. B. Rogers	OBG	3,196	2	2	4	3	240
Sinai Hospital [1-3]	Detroit	L. Braun	OBG	2,172	1	2	6	2	275
Woman's Hospital [1-3]	Detroit	R. B. Kennedy- H. M. Nelson	OBG	6,644	9	2	7	3	250
Hurley Hospital [1]	Flint, Mich.	I. H. Gutow	OBG	4,133	7	1	3	2	325
Blodgett Memorial Hosptial [1-3]	Grand Rapids, Mich.	C. M. Bell	OBG	2,944	4	1	2	2	225
Butterworth Hospital [1-3]	Grand Rapids, Mich.	L. C. Bosch	OBG	5,521	18	2	5	3	225
St. Mary's Hospital [1-3]	Grand Rapids, Mich.	J. H. Beaton	OBG	4,025	3	1	2	1	200
Highland Park General Hospital [1]	Highland Park, Mich.	R. Siddall	OBG	3,584	1	1	3	3	300
Pontiac General Hospital [1-3]	Pontiac, Mich.	H. A. Furlong	OBG	4,365	1	1	3	2	300
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	F. Gaensbauer	OBG	5,148	2	2	4	3	325
Saginaw General Hospital [1-3]	Saginaw, Mich.	C. E. Toshach	OBG	2,707	1	1	3	3	525
Minneapolis General Hospital [1-3]	Minneapolis	W. P. Sadler	OBG	1,054	4	1	3	3	182
Northwestern Hospital [1-3]	Minneapolis	W. P. Sadler	OBG	3,553	..	1	2	2	200
St. Barnabas Hospital [1-3]	Minneapolis	O. F. Robbins	OBG	3,139	1	2	2	2	...
St. Mary's Hospital [1-3]	Minneapolis	L. A. Lang	OBG	5,730	5	2	4	2	200
University of Minnesota Hospitals [1-3]	Minneapolis	J. L. McKelvey	OBG	1,368	11	2	7	3	102
Mayo Foundation [1-3]	Rochester, Minn.	L. M. Randall	OBG	4,560	10	4	11	3	150
Charles T. Miller Hospital [1]	St. Paul	J. J. Swendson	OBG	2,055	1	1	2	3	185
St. Joseph's Hospital [1-3]	St. Paul	J. W. Goldsmith	OBG	3,624	..	1	3	3	102
St. Louis County Hospital [1-3]	Clayton, Mo.	E. L. Dorsett	OBG	937	1	1	3	3	225
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	J. G. Webster	OBG	1,535	1	1	4	3	150
Kansas City General Hospital No. 2 [1-3]	Kansas City, Mo.	H. L. Gainey	OBG	1,931	7	2	6	3	...
St. Joseph Hospital [1-3]	Kansas City, Mo.	A. B. Sinclair, Jr.	OBG	2,378	..	1	2	2	250
St. Luke's Hospital [1-3]	Kansas City, Mo.	J. M. Singleton	OBG	4,131	..	2	4	3	175
Barnes Hospital [1-3]	St. Louis	W. Allen	OBG	6,507	5	4	10	3	50
De Paul Hospital [1-3]	St. Louis	R. V. Boedeker	OBG	3,596	2	1	3	2	200
Homer G. Phillips Hospital [1-3]	St. Louis	S. M. Monat	OBG	5,914	9	1	8	3	215
Jewish Hospital [1-3]	St. Louis	H. C. Wasserman	OBG	2,651	9	1	4	2	100
Missouri Baptist Hospital [1-3]	St. Louis	J. B. O'Neil	OBG	2,178	2	2	4	1	175
St. John's Hospital [1-3]	St. Louis	M. W. Weis	OB	2,615	..	1	1	1	200
St. Louis City Hospital [1-3]	St. Louis	R. Crossen-L. Hartnett	OBG	2,299	8	4	8	3	190
St. Luke's Hospital [1]	St. Louis	G. J. L. Wulff, Jr.	OBG	1,951	12	..	2	3	200
St. Mary's Group of Hospitals [1-3]	St. Louis	J. A. Hardy, Jr.	OBG	8,306	4	5	11	3	100
Lincoln General Hospital [1-3]	Lincoln, Nebr.	H. E. Harvey	OBG	1,374	1	1	1	1	200
St. Elizabeth Hospital [1-3]	Lincoln, Neb.	S. T. Thierstein	OBG	2,435	..	2	2	1	250
Bishop Clarkson Memorial Hospital [1-3]	Omaha	C. F. Moon	OBG	1,532	..	1	1	1	175
Creighton University Medical Center Creighton Memorial-St. Joseph's Hospital	Omaha	M. E. Grier	OBG	3,035	8	2	4	3	175
St. Catherine's Hospital	Omaha	M. E. Grier	.....	.....	..	..	..	..	...
Immanuel Hospital [1]	Omaha	H. E. Anderson	OBG	1,741	2	1	1	1	200
University of Nebraska Hospital [1-3]	Omaha	L. S. McGoogan	OBG	1,158	3	1	4	3	...
Cooper Hospital [1-3]	Camden, N. J.	G. B. German- H. P. Shipps	OBG	5,162	3	2	4	3	200
Hackensack Hospital [1-3]	Hackensack, N. J.	H. B. Wilson	OB	2,844	..	2	2	1	125

Numerical and other references will be found on page 363.

12. OBSTETRICS AND GYNECOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
Jersey City Medical Center [1-3]	Jersey City, N. J.	E. N. Bookrajian	GYN	944	6	2	5	2	92
Margaret Hague Maternity Hospital [1-3]	Jersey City, N. J.	J. P. Donnelly	OB	10,479	40	12	20	3	67
Monmouth Memorial Hospital [1-3]	Long Branch, N. J.	W. Shanik	OB	1,696	..	2	2	1	200
Harrison S. Martland Medical Center	Newark, N. J.	A. J. Gordon	OBG	.....	..	2	3	3	162.50
Newark Beth Israel Hospital [1-3]	Newark, N. J.	O. Glass	OBG	5,246	10	1	2	3	75
St. Michael's Hospital [1-3]	Newark, N. J.	G. W. Hayes	OBG	3,190	1	1	2	2	125
Passaic General Hospital [1-3]	Passaic, N. J.	W. M. Sullivan	OBG	2,853	4	1	2	1	250
Paterson General Hospital [1-3]	Paterson, N. J.	L. E. Thron-P. E. Rauschenbach	OB	2,742	..	1	1	1	125
Holy Name Hospital [3]	Teaneck, N. J.	J. Prather	OB	2,422	..	1	1	1	200
St. Francis Hospital	Trenton, N. J.	J. R. Harmon	OBG	2,771	7	1	1	2	210
Albany Hospital [1-3]	Albany, N. Y.	T. O. Gamble-A. Wallingford	OBG	4,485	5	2	4	3	...
A. N. Brady Hospital [1-3]	Albany, N. Y.	J. G. Hayes	OB	3,385	23	3	3	2	200
Beth El Hospital [1-3]	Brooklyn	W. Levine	OBG	4,955	2	3	7	3	125
Brooklyn Hospital [1-3]	Brooklyn	J. T. Wallace	OBG	2,870	..	1	4	3	...
Brooklyn Women's Hospital [1-3]	Brooklyn	J. Halperin	OBG	2,662	..	3	3	1	125
Coney Island Hospital [1-3]	Brooklyn	M. G. Der Brucke	OBG	1,351	..	1	2	2	105
Cumberland Hospital [1-3]	Brooklyn	S. Lubin	OBG	2,644	..	4	7	3	...
Greenpoint Hospital [1-3]	Brooklyn	W. C. Meagher	OBG	2,451	1	2	6	2	105
Jewish Hospital [1-3]	Brooklyn	M. Shir-S. A. Wolfe	OBG	7,388	..	2	8	3	75
Kings County Hospital University Service [1-3]	Brooklyn	L. M. Hellman	OBG	10,168	17	8	20	3	70
Long Island College Hospital [1-3]	Brooklyn	M. Glass	OBG	3,424	..	2	5	3	75
Maimonides Hospital [1-3]	Brooklyn	E. Solomons	OBG	4,262	3	2	6	3	35
Methodist Hospital [1-3]	Brooklyn	S. Hall, Sr.-H. Acken, Jr.	OBG	3,922	..	2	8	3	175
Norwegian Lutheran Deaconesses' Home and Hospital [1-3]	Brooklyn	A. S. MacGregor	OBG	2,683	2	2	6	3	135
St. Catherine's Hospital [1-3]	Brooklyn	W. Meagher	OBG	2,552	2	2	6	3	125
St. John's Episcopal Hospital [1-3]	Brooklyn	C. W. Mueller	OBG	2,537	2	1	3	3	175
St. Mary's Hospital [1-3]	Brooklyn	A. A. Schenone	OBG	2,448	..	1	3	3	175
Unity Hospital [1-3]	Brooklyn	A. A. Katz	OBG	2,407	..	2	4	2	100
Wyckoff Heights Hospital [1-3]	Brooklyn	F. W. Benschine	OBG	1,995	..	1	3	1	100
Buffalo General Hospital [1-3]	Buffalo	C. L. Randall	OBG	3,487	3	4	8	3	175
Deaconess Hospital [1-3]	Buffalo	H. Burwig	OBG	3,330	1	3	9	1	275
Edward J. Meyer Memorial Hospital [1]	Buffalo	E. G. Winkler	OBG	1,934	12	1	4	3	179
Millard Fillmore Hospital [1-3]	Buffalo	L. F. McLean	OBG	6,770	2	2	6	3	255
Sisters of Charity Hospital [1-3]	Buffalo	E. G. Winkler	OBG	5,922	3	2	8	3	210
Mary Imogene Bassett Hospital [1-3]	Cooperstown, N. Y.	O. J. Severud	OBG	661	2	1	2	3	145
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	F. Carpenter	OBG	5,320	1	1	3	3	150
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	G. T. Lilly	OBG	2,051	13	1	4	3	225
Mary Immaculate Hospital [1-3]	Jamaica, N. Y.	J. P. McManus	OB	2,494	1	1	1	1	120
Queens Hospital Center [1-3]	Jamaica, N. Y.	E. C. Veprovsky	OBG	2,523	13	2	4	3	105
Charles S. Wilson Memorial Hospital [1-3]	Johnson City, N. Y.	G. R. Cheatham	OBG	3,030	8	1	3	3	200
North Shore Hospital	Manhasset, N. Y.	.....	OBG	.....	..	..	..	3	...
Nassau Hospital [1-3]	Mineola, N. Y.	A. Wright	OBG	4,069	1	1	2	3	170
Bellevue Medical Center Division III—New York Univ. College of Medicine [1-3]	New York City	W. E. Studdiford	OBG	5,256	17	10	16	3	71
Beth David Hospital [1-3]	New York City	M. Speiser	OBG	1,698	..	2	2	2	...
Beth Israel Hospital [1-3]	New York City	H. C. Falk	OBG	3,634	..	2	8	3	120
Bronx Hospital [1-3]	New York City	A. C. Posner-A. J. Fleischer	OBG	3,704	3	2	6	3	50
Flower and Fifth Avenue Hospitals [1-3]	New York City	C. E. Folsome	OBG	3,302	1	1	3	3	...
Fordham Hospital [1-3]	New York City	M. L. Brandt	OBG	2,119	1	2	4	3	105
Francis Delafield Hospital [1-3]	New York City	H. C. Taylor, Jr.	GYN	377	34	..	5	1	106
French Hospital [1-3]	New York City	C. E. Heaton-H. C. Falk	OBG	1,976	1	2	4	2	83
Harlem Hospital [1-3]	New York City	A. C. Posner-M. Bobrow	OBG	7,336	5	2	6	3	...
Hospital for Joint Diseases [1-3]	New York City	E. L. Hecht	GYN	293	2	1	1	1	80
Jewish Memorial Hospital [3]	New York City	M. Brandt-M. J. Goodfriend	OBG	2,304	..	1	1	1	150
Lenox Hill Hospital [1-3]	New York City	L. O'Donnell-J. C. Kilroe	OBG	2,910	1	1	3	3	180
Lincoln Hospital [1-3]	New York City	W. H. Godsick	OBG	4,247	1	3	7	3	71
Metropolitan Hospital [1-3]	New York City	C. E. Folsome	OBG	3,773	9	3	8	3	104
Misericordia Hospital [1-3]	New York City	J. A. Kelly	OB	1,320	..	1	2	2	100
Morrisania City Hospital [1-3]	New York City	M. Goodfriend	OBG	4,835	5	1	4	3	105
Mount Sinai Hospital [1-3]	New York City	A. Guttmacher	OBG	6,304	5	13	22	3	50
New York City Hospital [1-3]	New York City	E. F. Smith-M. Rashbaum	OBG	2,707	4	1	5	3	104
New York Hospital [1-3]	New York City	R. G. Douglas	OBG	7,168	52	5	20	3	...
New York Infirmary [2-3]	New York City	I. Widenius	OB	827	..	1	1	2	150
New York Polyclinic Medical School and Hospital [1-3]	New York City	E. H. Dennen-D. N. Barrows	OBG	2,062	1	2	4	2	...
New York University-Bellevue Medical Center University Hospital [1-3]	New York City	W. Studdiford	GYN	729	1	..	2	2	...
Presbyterian Hosp. (Sloan Hosp. for Women) [1]	New York City	H. C. Taylor	OBG	7,149	4	6	21	3	208
Roosevelt Hospital [1-3]	New York City	T. C. Peightal	GYN	957	5	1	3	2	116
St. Clare's Hospital [1-3]	New York City	M. J. Jordan	OBG	2,056	4	2	6	3	125
St. Francis Hospital [1-3]	New York City	J. S. Labate	OBG	2,409	1	1	3	3	175
St. Vincent's Hospital [1-3]	New York City	B. J. Pisani	OBG	3,726	1	2	6	3	100
Sydenham Hospital [1-3]	New York City	P. M. Murray	OBG	2,325	5	1	3	3	105
Woman's Hospital Division of St. Luke's Hospital	New York City	A. H. Aldridge	OBG	6,252	3	4	12	3	60
United Hospital [1-3]	Port Chester, N. Y.	C. N. Jeffries	OB	1,226	..	1	1	1	200
Genesee Hospital [3]	Rochester, N. Y.	S. R. Snow, Jr.	OBG	2,908	3	2	4	3	75
Highland Hospital [1-3]	Rochester, N. Y.	F. Fumia	OBG	2,868	..	1	3	3	100
Rochester General Hospital [1-3]	Rochester, N. Y.	J. W. Cooney-J. C. Potter	OBG	3,819	2	1	3	3	100
St. Mary's Hospital [1-3]	Rochester, N. Y.	H. I. Norton	OBG	4,066	1	1	3	3	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	C. J. Lund	OBG	24,492	7	4	8	3	...
Ellis Hospital [1-3]	Schenectady, N. Y.	W. Mallia-J. Cornell	OBG	2,895	2	3	3	2	150
General Hospital	Syracuse, N. Y.	R. Pieri	OBG	.....	..	..	..	2	...
St. Joseph's Hospital [1-3]	Syracuse, N. Y.	L. Fournier	OBG	3,426	1	2	2	1	191
State University of New York Medical Center [1-3]	Syracuse, N. Y.	E. C. Hughes-C. Clark	OBG	16,004	41	4	12	3	192
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	R. A. Ross	OBG	949	4	3	6	3	145
Charlotte Memorial Hospital	Charlotte, N. C.	T. W. Huey	OBG	3,542	4	1	2	2	250
Duke University Hospital [1-3]	Durham, N. C.	B. Carter	OBG	3,041	8	4	10	3	42
Lincoln Hospital	Durham, N. C.	L. R. Swift	OBG	960	..	1	1	1	175
Watts Hospital [1-3]	Durham, N. C.	R. L. Pearse	OBG	1,444	..	1	1	1	100
Rex Hospital [1]	Raleigh, N. C.	R. J. Ruark	OBG	3,152	1	1	2	2	200
St. Agnes Hospital [1]	Raleigh, N. C.	P. J. McElrath	OBG	708	1	1	1	1	250
City Memorial Hospital [1-3]	Winston-Salem, N. C.	C. N. Adams	OBG	3,212	1	1	1	1	...

Numerical and other references will be found on page 363.

12. OBSTETRICS AND GYNECOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	F. R. Lock	OBG	2,788	4	3	6	3	125
St. Luke's Hospital	Fargo, N. Dak.	G. W. Hunter	OBG	1,813	2	1	1	1	300
Akron General Hospital [1-3]	Akron, Ohio	N. E. Wentsler	OBG	4,585	..	3	6	3	250
City Hospital [1-3]	Akron, Ohio	A. M. Weil	OBG	7,225	..	3	6	3	250
St. Thomas Hospital [1-3]	Akron, Ohio	E. F. Hellwig	OBG	3,176	5	2	5	2	250
Aultman Hospital [1-3]	Canton, Ohio	J. M. Scott	OBG	4,547	..	4	5	2	275
Mercy Hospital [1-3]	Canton, Ohio	R. K. Ramsayer	OBG	3,874	2	2	5	2	200
Bethesda Hospital	Cincinnati	R. D. Bryant- E. E. Rhoads	OBG	4,807	3	2	5	3	200
Cincinnati General Hospital [1-3]	Cincinnati	S. T. Garber- L. J. Bossert	OBG	4,490	9	3	12	3	50
City Hospital [1-3]	Cleveland	A. E. Bennett	OBG	3,421	4	2	9	3	150
Evangelical Deaconess Hospital [1-3]	Cleveland	J. E. Morgan	OBG	1,986	..	1	3	2	150
Fairview Park Hospital [1-3]	Cleveland	E. D. Richards	OB	3,207	..	2	2	1	...
Lutheran Hospital [1-3]	Cleveland	R. S. Dial	OB	2,002	..	1	2	3	162
Mount Sinai Hospital [1]	Cleveland	L. H. Biskind	OBG	4,965	2	2	6	3	215
St. Alexis Hospital [1-3]	Cleveland	J. E. Slivka	OB	1,218	..	2	2	1	250
St. Ann Hospital [1-3]	Cleveland	J. E. Slivka	OB	3,461	1	3	3	1	...
St. John's Hospital [1-3]	Cleveland	J. V. Heimann- F. G. Fallon	OBG	2,940	1	2	5	2	170
St. Luke's Hospital [1]	Cleveland	G. B. Hurd	OBG	5,047	..	1	4	3	120
University Hospitals [1-3]	Cleveland	A. C. Barnes	OBG	6,222	6	4	15	3	125
Mount Carmel Hospital [1]	Columbus	R. F. Daly	OB	3,732	1	1	2	2	...
Ohio State University Hospitals University Hospitals [1-3]	Columbus	J. C. Ullery	OBG	6,036	19	2	8	3	150
St. Ann's Hospital for Women	Columbus, Ohio	Z. J. R. Hollenbeck	OBG	4,651	16	..	..	2	250
White Cross Hospital [1-3]	Columbus, Ohio	R. M. Inglis	OBG	3,571	..	2	3	2	275
Good Samaritan Hospital [1-3]	Dayton, Ohio	H. E. McKnight	OBG	6,498	36	2	4	3	250
Miami Valley Hospital [1-3]	Dayton, Ohio	C. E. Mumma	OB	5,193	1	1	1	1	160
Huron Road Hospital [1-3]	East Cleveland, Ohio	J. J. Woodworth	OBG	4,090	..	2	6	3	210
Marymount Hospital [3]	Garfield Heights, Ohio	A. H. Dindia	OBG	1,625	..	2	2	1	...
Lakewood Hospital [1-3]	Lakewood, Ohio	B. Wylie	OBG	3,756	1	2	3	2	200
St. Rita's Hospital [1-3]	Lima, Ohio	V. A. Noble	OB	2,151	..	1	2	2	225
Maumee Valley Hospital [1-3]	Toledo, Ohio	S. D. Zuker	OB	930	3	1	1	1	...
Mercy Hospital [1-3]	Toledo, Ohio	R. C. King	OBG	3,829	5	1	3	3	250
St. Vincent's Hospital [1-3]	Toledo, Ohio	J. F. Hillabrand	OBG	3,938	3	2	4	3	225
Toledo Hospital [1-3]	Toledo, Ohio	O. E. Todd	OBG	4,035	1	1	3	3	200
St. Elizabeth Hospital [1-3]	Youngstown, Ohio	P. L. Boyle	OBG	4,106	1	2	3	2	200
St. Anthony Hospital	Oklahoma City	G. Rogers	OBG	5,437	6	1	3	3	150
University of Oklahoma Hospitals University Hospitals [1-3]	Oklahoma City	.....	OBG	.....	..	..	..	3	...
Wesley Hospital [1]	Oklahoma City	M. Serwer-J. Kelso	.....	2,907	1	2	4	..	85
St. John's Hospital [1-3]	Tulsa, Okla.	J. W. Records	.....	3,257	4	1	2	..	225
Emanuel Hospital [1-3]	Portland, Ore.	W. R. R. Loney	OBG	4,161	1	1	2	2	...
St. Vincent's Hospital [1-3]	Portland, Ore.	C. L. Clancy	OBG	7,116	71	2	6	3	175
Univ. of Oregon Med. School Hospitals and Clinics [1-3]	Portland, Ore.	J. O. McCall, Jr.	OB	2,563	2	1	1	1	175
Abington Memorial Hospital [1-3]	Abington, Pa.	H. C. Stearns	OBG	1,534	6	1	3	3	85
Allentown Hospital [1-3]	Allentown, Pa.	R. D. Porter- C. M. Turman	OBG	3,592	2	1	3	3	100
St. Luke's Hospital [1-3]	Bethlehem, Pa.	F. C. Schaeffer	OBG	4,079	5	1	2	2	225
Bryn Mawr Hospital [1-3]	Bryn Mawr, Pa.	T. E. Schadt	OBG	2,938	1	2	2	2	275
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	J. L. Richards	OBG	3,377	..	1	1	1	100
Thomas M. Fitzgerald Mercy Hospital [1-3]	Darby, Pa.	R. E. Nicodemus	OBG	1,551	..	2	2	2	125
Harrisburg Hospital [1-3]	Harrisburg, Pa.	J. V. Missett, Jr.	OBG	3,750	..	2	2	2	200
Albert Einstein Medical Center-Northern Division [1-3]	Philadelphia	W. P. Dailey	OBG	4,217	..	1	3	3	250
Albert Einstein Medical Center-Southern Division [1-3]	Philadelphia	C. J. Stamm	OBG	2,073	8	1	2	3	150
Chestnut Hill Hospital [1-3]	Philadelphia	L. Israel-A. First	OBG	2,580	3	3	3	3	150
Episcopal Hospital [1-3]	Philadelphia	Z. B. Newton	OBG	1,266	2	1	1	1	100
Frankford Hospital [1-3]	Philadelphia	J. H. Dugger	OBG	2,808	3	1	3	3	150
Germantown Dispensary and Hospital [1-3]	Philadelphia	G. C. Hanna, Jr.	OBG	3,113	1	..	1	2	250
Graduate Hosp. of the University of Pennsylvania [1-3]	Philadelphia	Z. B. Newton	OBG	4,348	..	2	2	3	150
Hahnemann Medical College and Hospital [3]	Philadelphia	R. A. Kimbrough	GYN	598	2	1	2	2	...
Hospital of the University of Pennsylvania [1-3]	Philadelphia	N. F. Paxson- B. V. McFadyen	OBG	4,103	6	3	9	3	75
Hospital of the Woman's Medical College of Pennsylvania [1-3]	Philadelphia	C. Bachman-F. Payne	OBG	5,733	23	5	15	3	...
Jefferson Medical College Hospital [1-3]	Philadelphia	A. G. Taylor-M. D. Pettit	OBG	3,813	2	2	5	3	110
Lankenau Hospital [1-3]	Philadelphia	T. L. Montgomery- L. Scheffey	OBG	5,130	19	6	10	3	25
Methodist Episcopal Hospital [1-3]	Philadelphia	R. B. Wilson	OB	815	..	1	1	2	100
Pennsylvania Hospital [1-3]	Philadelphia	R. W. Mohler	OBG	921	1	1	3	3	200
Philadelphia General Hospital [1-3]	Philadelphia	R. A. Kimbrough	OBG	2,922	1	7	7	3	90
Philadelphia General Hospital—Northern Division [1-3]	Philadelphia	J. M. Alesbury	OBG	6,458	4	2	6	3	113
Presbyterian Hospital [1-3]	Philadelphia	J. R. Willson	OB	1,435	1	2	2	1	112
Temple University Hospital [1-3]	Philadelphia	J. D. Corbit	OBG	1,939	1	1	3	3	100
Woman's Hospital [1-3]	Philadelphia	J. R. Willson	OBG	4,700	8	4	12	3	...
Mercy Hospital [1-3]	Pittsburgh	A. G. Taylor-D. Ashton	OBG	2,450	..	2	5	3	175
Montefiore Hospital [1-3]	Pittsburgh	R. A. D. Gillis- G. J. Carlin	OBG	3,651	2	1	3	3	175
Pittsburgh Hospital [1-3]	Pittsburgh	H. Cohen	OB	1,622	..	1	1	1	125
Pittsburgh Medical Center Elizabeth Steel Magee Hospital [1-3]	Pittsburgh	E. A. Conti	OBG	2,646	2	1	2	2	...
St. Francis Gen. Hospital and Rehabilitation Institute [1-3]	Pittsburgh	H. A. Power-J. A. Hepp	OBG	9,703	6	4	12	3	125
St. Margaret Memorial Hospital [1]	Pittsburgh	J. H. Carroll-J. A. Hepp	OBG	2,888	3	1	3	3	200
South Side Hospital [1-3]	Pittsburgh	R. E. Tafel	OBG	1,386	3	1	1	2	200
Western Pennsylvania Hospital [1-3]	Pittsburgh	J. Hodgkiss-J. A. New	OBG	2,577	2	1	2	2	250
Reading Hospital [1-3]	Reading, Pa.	.....	OB	3,265	9	1	1	1	225
Providence Lying-In Hospital [3]	Providence, R. I.	F. B. Nugent	GYN	1,142	2	1	1	1	225
Rhode Island Hospital [1-3]	Providence, R. I.	C. S. Houston	OB	7,739	..	3	2	1	125
Roper Hospital [1-3]	Charleston, S. C.	H. C. McDuff, Jr.	GYN	1,106	4	1	2	2	100
Columbia Hospital [1-3]	Columbia, S. C.	L. L. Hester	OBG	4,401	3	2	4	3	...
McLeod Infirmary [1-3]	Florence, S. C.	F. B. C. Geibel	OBG	3,442	3	1	3	3	175
Greenville General Hospital [1-3]	Greenville, S. C.	R. F. Zeigler	OBG	2,028	..	..	..	1	...
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	J. D. Parker	OBG	4,482	5	1	3	3	125
Memorial Hospital [1-3]	Chattanooga, Tenn.	H. A. Schwartz	OBG	3,790	1	1	1	1	125
Knoxville General Hospital	Knoxville, Tenn.	C. L. Suggs, Jr.	OBG	652	1	1	1	1	250
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	H. H. Jenkins	OBG	2,152	2	1	1	2	158
John Gaston Hospital [1-3]	Memphis, Tenn.	H. B. Turner	OBG	5,714	5	1	3	3	100
St. Joseph Hospital [1-3]	Memphis, Tenn.	P. C. Schreier	OBG	9,844	8	4	12	3	85
George W. Hubbard Hospital of Meharry Medical College [1-3]	Nashville, Tenn.	J. J. Redmon	OBG	3,944	1	1	3	3	100
		W. F. B. James	OB	1,512	1	1	5	3	...

Numerical and other references will be found on page 363.

12. OBSTETRICS AND GYNECOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Residencies Approved	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Baptist Hospital [1-3]	Nashville, Tenn.	S. Bayer	OBG	4,116	1	2	4	3	175
St. Thomas Hospital [1-3]	Nashville, Tenn.	S. Cowan, Jr.	OBG	2,150	1	..	4	..	...
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	F. E. Whitacre	OBG	2,201	3	3	12	3	50
Brackenridge Hospital [1-3]	Austin, Texas	E. K. Blewett	OBG	2,069	..	..	1	1	250
Baylor University Hospital [1-3]	Dallas, Texas	W. K. Strother	OBG	10,394	2	3	7	3	125
Methodist Hospital [1-3]	Dallas, Texas	J. V. Moody	OBG	5,414	3	2	4	3	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	W. F. Mengert	OBG	4,991	5	6	11	3	50
St. Paul's Hospital [1-3]	Dallas, Texas	O. V. Prejean	OBG	6,488	1	2	4	3	125
Hotel Dieu Sisters Hospital [1-3]	El Paso, Texas	E. C. Bernell	OBG	1,528	..	1	2	2	150
Harris Hospital [1-3]	Fort Worth, Texas	N. R. Bailey	OBG	6,171	1	1	3	1	300
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	G. L. Jarvis	OBG	2,476	3	3	9	3	...
Baylor University College of Medicine Affiliated Hospitals									
Jefferson Davis Hospital [1-3]	Houston, Texas	H. W. Johnson	OBG	5,373	10	4	10	3	...
Methodist Hospital [1-3]	Houston, Texas	D. V. Wachsman-J. A. Wall	OBG	3,953	..	2	6	3	120
Hermann Hospital [1]	Houston, Texas	T. G. Gready, Jr.-A. M. Faris	OBG	8,666	2	2	6	3	100
St. Joseph's Hospital [1]	Houston, Texas	R. A. Johnston	OBG	9,366	70	2	6	3	150
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	J. A. Wall	GYN	364	2	..	4	1	150
Baptist Memorial Hospital [1-3]	San Antonio, Texas	H. C. Sweet	OBG	4,615	3	1	3	3	150
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	G. G. Passmore	OBG	2,577	3	1	3	3	150
Thomas D. Dee Memorial Hospital [1-3]	Ogden, Utah	V. H. Ward	OBG	3,624	..	2	6	3	250
Dr. W. H. Groves Latter-Day Saints Hospital [1-3]	Salt Lake City	M. S. Sanders	OBG	6,296	3	2	4	2	200
Holy Cross Hospital [1-3]	Salt Lake City	L. Smith	OBG	3,242	2	2	4	3	175
Salt Lake County General Hospital [1-3]	Salt Lake City	E. G. Holmstrom	OBG	1,071	..	1	3	3	125
Bishop De Goesbriand Hospital [1-3]	Burlington, Vt.	W. Slavin	OBG	1,304	..	1	2	1	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	J. V. S. Maeck	OBG	1,826	5	1	4	2	100
Alexandria Hospital [1-3]	Alexandria, Va.	H. Picot	OBG	3,677	1	2	2	1	250
Arlington Hospital [1-3]	Arlington, Va.	J. B. Jacobs	OBG	2,267	2	1	1	1	150
University of Virginia Hospital [1-3]	Charlottesville, Va.	W. N. Thornton	OBG	2,852	3	2	8	3	50
Lynchburg General Hospital [1-3]	Lynchburg, Va.	J. E. Warren	OB	2,046	2	1	1	1	150
Riverside Hospital [1-3]	Newport News, Va.	W. R. Payne	OBG	3,035	2	2	2	1	250
De Paul Hospital [1-3]	Norfolk, Va.	J. R. Kight	OBG	3,487	3	2	4	3	200
Norfolk General Hospital [1-3]	Norfolk, Va.	B. D. Jones-R. B. Nicholls	OBG	3,835	4	2	4	3	125
Johnston-Willis Hospital [1-3]	Richmond, Va.	E. Rucker	OB	1,741	1	1	1	1	250
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	H. H. Ware, Jr.	OB	7,202	2	6	11	3	50
Doctors Hospital [1-3]	Seattle	P. G. Peterson	OBG	2,720	1	1	1	1	125
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	R. R. De Alvarez	OBG	1,611	7	2	4	3	110
Providence Hospital [1]	Seattle	J. Clancy	OB	2,516	..	2	2	1	200
Swedish Hospital [1-3]	Seattle	G. F. Thomas	OBG	4,102	1	1	3	2	100
Virginia Mason Hospital [1-3]	Seattle	R. N. Rutherford	OB	2,888	2	1	1	1	100
Sacred Heart Hospital [1-3]	Spokane	R. L. Rotchford	OBG	5,048	4	1	1	1	200
St. Luke's Hospital [1-3]	Spokane	D. W. McKinlay	OBG	1,454	1	1	1	1	150
Memorial Hospital [1-3]	Charleston, W. Va.	J. L. Crites	OBG	2,219	1	2	2	1	225
University Hospitals [1]	Madison, Wis.	J. W. Harris	OBG	836	9	2	4	3	50
Columbia Hospital [1-3]	Milwaukee	F. J. Stoddard	OB	987	..	1	1	1	195
Milwaukee County Hospital [1-3]	Milwaukee	R. S. Cron	OBG	2,189	15	2	4	3	209
Milwaukee Hospital [1-3]	Milwaukee	L. H. Verch	OBG	6,909	22	1	4	3	195
Mount Sinai Hospital [1-3]	Milwaukee	B. E. Urdan	OBG	3,522	..	1	2	2	300
St. Joseph's Hospital [1-3]	Milwaukee	G. S. Kilkenny	OBG	6,656	3	2	6	3	200
St. Luke's Hospital [1-3]	Milwaukee	A. Watts	OBG	1,233	14	2	4	2	275
St. Mary's Hospital [1-3]	Milwaukee	J. D. Owen	OBG	3,139	..	..	3	2	225
Gorgas Hospital [1-3]	Ancon, C. Z.	I. J. Strumpf	OBG	1,326	3	1	3	2	345
Kapiolani Maternity and Gynecological Hospital [1-3]—St. Francis Hospital	Honolulu, T. H.	K. S. Tom	OBG	7,115	4	2	6	3	100
Queen's Hospital [1-3]	Honolulu, T. H.	R. Sakimoto	OBG	3,786	3	2	4	2	125
Bayamon District Hospital	Bayamon, P. R.	.....	OBG	.....	..	..	..	1	...
San Juan City Hospital [1-3]	San Juan, P. R.	M. F. Fuster	OBG	4,573	1	2	6	3	150

13. OCCUPATIONAL MEDICINE

The following service is approved by the Council on Medical Education and Hospitals.
Hospitals, 1; Assistant Residencies and Residencies, 2

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Saginaw General Hospital [1-3]	Saginaw, Mich.	R. D. Mudd	282	341,214	1	2	2	325

14. OPHTHALMOLOGY

The following services have been approved by the Council on Medical Education and Hospitals.
Hospitals, 165; Assistant Residencies and Residencies, 610

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	H. W. Shreck	233	10,708	1	3	3	...
Army Medical Center [1-3]	Washington, D. C.	J. H. King, Jr.	657	6,158	3	7	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	K. E. Hudson	455	13,560	..	2	3	...

Numerical and other references will be found on page 363.

14. OPHTHALMOLOGY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [2]	Total Residencies Offered [2]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
UNITED STATES NAVY								
U. S. Naval Hospital [1]	Oakland, Calif.	K. J. Palmberg	310	8,966	..	..	3	...
U. S. Naval Hospital [1]	San Diego, Calif.	L. E Wible	417	9,135	..	..	3	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	S. J. Ryan	319	5,673	..	2	3	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	A. C. Hohn	126	7,599	..	..	2	...
U. S. Naval Hospital [1]	Philadelphia	C. O. Parker, Jr.	220	8,357	..	..	3	...
UNITED STATES PUBLIC HEALTH SERVICE								
U. S. Public Health Service Hospital [1-3]	New Orleans	J. B. Peebles	161	2,943	1	2	3	...
U. S. Public Health Service Hospital [1]	Baltimore	W. P. Griffey	139	3,322	..	2	3	...
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	F. Sauter	298	5,058	1	3	3	...
U. S. Public Health Service Hospital	Seattle	H. E. Halden, III	138	4,767	1	2	3	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	C. Cowan	60	2,980	1	1	3	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1]	Tuskegee, Ala.	H. G. Dwiggins	160	1,482	1	3	3	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	G. C. Struble	233	2,253	1	2	3	...
Veterans Admin. Hospital [1-3]	Los Angeles	C. S. Mumma	418	3,085	..	2	3	...
Veterans Admin. Hospital [1]	San Francisco	M. Fine-D. O. Harrington	218	1,082	1	3	3	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	F. P. Calhoun, Jr.	153	...	1	3	3	220
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern University Medical Center)						
Veterans Admin. Hospital [1]	Hines, Ill.	W. A. Mann	529	.....	2	4	2	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	A. W. McAlester, III	107	438	1	2	3	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	(See University of Louisville Medical Center)						
Veterans Admin. Hospital [1-3]	New Orleans	J. H. Allen	138	.....	1	3	3	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	M. E. Randolph	85	.....	1	1	3	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	A. D. Ruedeman	572	723	..	1	3	...
Veterans Admin. Hospital [1-3]	Minneapolis	E. W. Hansen	126	78	1	3	3	...
Veterans Admin. Hospital [1-3]	St. Louis	H. D. Rosenbaum	105	846	1	3	3	...
Veterans Admin. Hospital [1-3]	Brooklyn	M. A. Lasky	171	.....	1	2	2	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	A. G. De Voe	318	2,910	1	3	3	...
Veterans Admin. Hospital [1-3]	Cleveland	J. E. L. Keyes	176	2,634	1	2	2	...
Veterans Admin. Hospital [1]	Pittsburgh	R. N. Lehman	166	.....	2	6	3	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	W. F. Klotz	...	.....	1	3	3	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	M. Thomas	118	1	1	2	2	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	McKinney, Texas	S. B. Gostin	124	1	1	2	3	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	E. W. Perkins	384	.....	1	3	3	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	J. B. Hitz	244	139	1	4	3	...
NONFEDERAL								
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	T. O. Paul	939	7,436	..	3	2	108
Arkansas Baptist Hospital [1]	Little Rock, Ark.	R. C Cook	543	.....	1	1	1	225
General Hospital of Fresno County [1]	Fresno, Calif.	R. Whitten	191	5,468	1	2	2	300
Los Angeles County General Hospital [1]	Los Angeles	W. J. Endres	...	2,852	1	4	2	200
Los Angeles Eye and Ear Hospital [1-3]	Los Angeles	O. H. Ellis	288	4,267	2	4	2	...
White Memorial Hospital [1-3]	Los Angeles	P. H. Reed	201	7,598	1	2	2	146
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	M. E. Gump	179	3,569	1	1	3	195
San Diego County General Hospital [1-3]	San Diego, Calif.	H. R. Merrill	61	3,462	1	2	2	150
Green's Eye Hospital [1-3]	San Francisco	V. V. Suglian	453	23,633	2	3	2	100
Stanford University Hospitals [1-3]	San Francisco	A. E. Maumenee	882	8,240	1	3	3	80
University of California Hospital [1-3]	San Francisco	F. C. Cordes	397	1	2	5	3	87
Harbor General Hospital [1-3]	Torrance, Calif.	S. R. Irvine	...	7,858	1	2	2	200
University of Colorado Medical Center								
Colorado General Hospital [1-3]	Denver	R. W. Danielson	166	8,851	2	4	3	150
Denver General Hospital [1-3]	Denver	G. H. Filmer	...	.....	..	..	..	...
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	R. M. Fasanella	349	7,156	1	3	3	50
District of Columbia General Hospital [1-3]	Washington, D. C.	E. Cummings-R. Cox	135	4,913	1	2	2	143
Episcopal Eye, Ear and Throat Hospital [3]	Washington, D. C.	H. R. Downey	1,554	24,699	2	6	3	150
Jackson Memorial Hospital [1-3]	Miami, Fla.	K. S. Whitmer	439	3,289	2	6	3	75
Grady Memorial Hospital [1-3]	Atlanta, Ga.	F. P. Calhoun, Jr.	437	15,513	2	6	3	20
Chicago Eye, Ear, Nose and Throat Hospital [1-3]	Chicago	A. A. Stonehill	503	13,947	2	4	2	100
Cook County Hospital [1-3]	Chicago	J. E. Lebensohn	533	17,668	6	6	2	...
University of Illinois Hospitals		W. F. Hughes, Jr.	...	.....	..	..	3	...
Illinois Eye and Ear Infirmary	Chicago		1,478	57,030	11	22	..	108
Illinois Research and Education Hospitals	Chicago		135	9,067	1	2	3	...
Michael Reese Hospital [1-3]	Chicago	T. Zekman	770	4,454	2	3	2	75
Northwestern University Medical Center								
Chicago Wesley Memorial Hospital [1-3]	Chicago	W. A. Mann	303	.....	1	2	3	50
Passavant Memorial Hospital [1-3]	Chicago	D. Vail	477	.....	2	2	2	50
Veterans Admin. Research Hospital [1]	Chicago	E. E. Merz	9	.....	..	1	1	...
Evanston Hospital [1-3]	Evanston, Ill.	G. R. Soper	154	.....	1	1	1	...
Presbyterian Hospital [1]	Chicago	J. M. Donegan	403	5,571	2	3	2	125
Provident Hospital [1-3]	Chicago	W. M. Jones	322	3,287	1	3	1	200
St. Luke's Hospital [1-3]	Chicago	J. W. Clark	275	.....	1	2	2	50
University of Chicago Clinics [1-3]	Chicago	F. W. Newell	304	8,605	1	3	3	175
Woodlawn Hospital [1-3]	Chicago	F. M. Whitsell	466	.....	1	1	1	150
Indiana University Medical Center and Affiliated Hospitals								
Indianapolis General Hospital [1-3]	Indianapolis	E. W. Dyar	273	9,319	2	4	2	165
Indiana University Medical Center [1]	Indianapolis	F. M Wilson	314	4,961	3	9	2	165
University Hospitals [1-3]	Iowa City	A. E. Braley	1,372	4,144	2	6	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	A. Lemoine	611	4,944	1	3	2	125
University of Louisville Medical Center								
Louisville General Hospital [1-3]	Louisville, Ky.	C. D. Townes	190	181,222	..	2	2	105
Veterans Admin Hospital [1-3]	Louisville, Ky.	C. D. Townes	126	647	1	2	2	...
Charity Hospital of Louisiana								
Independent Unit	New Orleans	J. H. La Rose	388	4,280	1	3	3	100
Louisiana State University Unit [1]	New Orleans	G. M. Haik	610	9,617	1	3	3	100
Tulane University Unit [1]	New Orleans	J. H. Allen	498	8,963	1	3	3	100
Eye, Ear, Nose and Throat Hospital	New Orleans	W. B. Clark	1,468	13,969	..	10	3	125
Touro Infirmary [1]	New Orleans	A. L. Braunstein	77	.....	1	1	1	100

Numerical and other references will be found on page 363.

14. OPHTHALMOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Baltimore Eye, Ear, Nose and Throat Charity Hospital [1-3]	Baltimore	C. A. Clapp	1,228	12,025	1	3	3	150
Johns Hopkins Hospital [1-3]	Baltimore	A. C. Woods	1,953	16,218	..	6	3	20
University Hospital [1-3]	Baltimore		22	324	1	2	2	50
Boston City Hospital [1-3]	Boston	D. R. Alpert	534	20,843	..	7	1	132
Massachusetts Eye and Ear Infirmary [1-3]	Boston	E. B. Dunphy	3,703	41,206	4	11	3	500
Massachusetts Memorial Hospitals [1-3]	Boston	T. Gunderson	276	6,064	1	2	2	50
University Hospital [1-3]	Ann Arbor, Mich.	F. B. Fralick	615	12,620	3	9	3	145
Harper Hospital [1-3]	Detroit	A. D. Ruedemann	1,413	.....	1	3	3	225
Henry Ford Hospital [1-3]	Detroit	J. Guyton	388	20,000	5	14	3	225
Receiving Hospital [1-3]	Detroit	A. D. Ruedemann	660	12,621	2	13	3	100
Minneapolis General Hospital [1-3]	Minneapolis	W. K. Haven	174	2,698	1	2	3	182
University of Minnesota Hospitals [1-3]	Minneapolis	E. W. Hansen	170	.....	1	4	3	162
Mayo Foundation [1-3]	Rochester, Minn.	C. W. Rucker	672	37,553	5	17	3	150
Charles T. Miller Hospital [1]	St. Paul	E. P. Burch	534	3,499	1	3	3	185
St. Louis County Hospital [1-3]	Clayton, Mo.	D. Bisno	28	1,223	1	3	1	225
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	A. J. Baer	117	3,435	..	2	2	150
Barnes Hospital [1-3]	St. Louis	B. Becker	1,729	.....	6	10	3	50
Homer G. Phillips Hospital [1-3]	St. Louis	B. Becker	(Included in Otolaryngology)			..	..	...
St. Louis City Hospital [1-3]	St. Louis	D. Bisno	143	5,627	1	2	2	190
St. Mary's Group of Hospitals [1-3]	St. Louis	R. D. Mattis	252	6,311	1	3	3	100
University of Nebraska Hospital [1-3]	Omaha	J. H. Judd	136	2,613	1	2	2	...
Jersey City Medical Center [1-3]	Jersey City, N. J.	F. X. Brophy	578	.....	1	3	3	92
Newark Eye and Ear Infirmary [1-3]	Newark, N. J.	L. W. Hughes	1,284	1	2	2	1	125
Brooklyn Eye and Ear Hospital [1-3]	Brooklyn	W. V. Moore	3,245	48,610	3	6	2	100
Jewish Hospital [1-3]	Brooklyn	M. Lasky	.....	.....	1	2	2	75
Kings County Hospital University Service [1-3]	Brooklyn	W. Moehle	379	10,576	2	4	2	104
Long Island College Hospital [1-3]	Brooklyn	H. F. Schilback	213	3,164	1	2	2	75
Buffalo General Hospital [1-3]	Buffalo	I. J. Koenig	388	1,883	1	1	2	200
Edward J. Meyer Memorial Hospital [1]	Buffalo	I. J. Koenig	94	.....	1	2	2	179
Queens Hospital Center [1-3]	Jamaica, N. Y.	T. D'Angelo	199	3,415	1	2	2	105
Nassau Hospital [1-3]	Mineola, N. Y.	K. Brown	589	.....	1	1	3	170
Bellevue Medical Center Division IV—New York University Post-Graduate Medical School [1-3]	New York City	A. DeVoe	491	17,005	4	10	3	71
Beth Israel Hospital [1-3]	New York City	M. L. Berliner	148	2,767	1	1	1	135
Bronx Eye and Ear Infirmary [1-3]	New York City	N. Gould-S. Epstein	951	15,759	1	2	2	100
Goldwater Memorial Hospital [1-3]	New York City	S. Fox	1,803	258	1	3	2	104
Harlem Eye and Ear Hospital [1-3]	New York City	P. Muller	398	14,071	1	3	1	50
Lenox Hill Hospital [1-3]	New York City	B. F. Payne	373	.....	1	1	3	180
Manhattan Eye, Ear and Throat Hospital [1-3]	New York City	R. T. Paton	2,902	56,004	5	10	2	...
Metropolitan Hospital [1-3]	New York City	C. A. Turtz	70	.....	1	2	1	104
Montefiore Hospital [1-3]	New York City	S. Gartner	144	3,338	1	2	2	75
Mount Sinai Hospital [1-3]	New York City	J. Laval-D. Wexler	411	10,033	1	2	2	50
New York City Hospital [1-3]	New York City	I. Givner	155	5,242	1	2	2	104
New York Eye and Ear Infirmary [1-3]	New York City	B. F. Payne	3,176	61,448	6	18	3	50
New York Hospital [1-3]	New York City	J. M. McLean	631	12,909	2	4	3	34
New York Polyclinic Medical School and Hospital [1-3]	New York City	H. H. Romaine	69	7,495	1	3	2	...
Presbyterian Hospital [1]	New York City	J. H. Dunnington	2,763	28,580	3	9	3	208
St. Luke's Hospital [1-3]	New York City	W. G. Frey	258	5,864	1	2	2	75
St. Mary's Hospital [1-3]	Rochester, N. Y.	C. Sullivan	439	1,248	1	1	2	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	J. F. Gipner	3,341	.....	1	2	2	...
Sea View Hospital [1-3]	Staten Island, N. Y.	S. L. Saltzman	1,532	.....	1	1	1	157
State University of New York Medical Center [1-3]	Syracuse, N. Y.	F. R. Webster	644	3,161	1	2	2	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	C. Wood	107	3,952	1	3	3	175
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	F. C. Winter	46	.....	1	2	3	145
Duke University Hospital [1-3]	Durham, N. C.	W. B. Anderson	481	10,182	3	8	3	67
McPherson Hospital [1-3]	Durham, N. C.	S. D. McPherson	600	18,807	1	3	3	100
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	R. W. Roberts	133	1,725	1	3	3	125
City Hospital [1-3]	Cleveland	R. J. Nicholl	211	6,025	..	2	2	178
Cleveland Clinic Hospital [1-3]	Cleveland	R. J Kennedy	363	18,476	2	6	3	175
St. Luke's Hospital [1]	Cleveland	M. W. Jacoby	464	899	1	1	2	120
University Hospitals [1-3]	Cleveland	L. V. Johnson	821	7,047	1	3	2	125
Ohio State University Hospitals University Hospitals [1-3]	Columbus, Ohio	W. H. Havener	410	10,770	2	7	3	150
University Hospitals [1-3]	Oklahoma City	J. R. Reed	365	2,960	1	3	2	85
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	K. C. Swan	250	12,103	2	6	3	...
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	A. L. Rhoades	335	7,473	1	2	2	125
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	E. B. Spaeth	991	2,625	3	5	2	...
Hospital of the University of Pennsylvania [1-3]	Philadelphia	F. H. Adler	600	8,334	3	9	3	...
Jefferson Medical College Hospital [1-3]	Philadelphia	A. E. Town	138	4,660	1	3	3	...
Philadelphia General Hospital [1-3]	Philadelphia		142	4,150	1	2	2	113
Temple University Hospital [1-3]	Philadelphia	G. G. Gibson	228	3,616	2	6	3	...
Wills Eye Hospital [1-3]	Philadelphia		4,059	89,733	8	16	2	...
Montefiore Hospital [1-3]	Pittsburgh	H. Thorpe	510	1,947	1	3	3	125
Pittsburgh Medical Center Eye and Ear Hospital [1-3]	Pittsburgh	M. F. McCaslin	2,262	8,309	1	5	3	125
Robert Packer Hospital [1-3]	Sayre, Pa.	H. Rentschler	1,310	5,049	1	1	1	150
Roper Hospital [1-3]	Charleston, S. C.	P. G. Jenkins	193	.....	1	3	2	83
John Gaston Hospital [1-3]	Memphis, Tenn.	P. M. Lewis	238	.....	2	2	2	35
Memphis Eye, Ear, Nose and Throat Hospital [3]	Memphis, Tenn.	P. M. Lewis	1,568	.....	..	4	2	150
Parkland Memorial Hospital [1-3]	Dallas, Texas	C. W. Browning	183	4,416	..	3	2	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	G. Robertson	208	5,769	..	4	2	...
Baylor University College of Medicine Affiliated Hospitals Jefferson Davis Hospital [1-3]	Houston, Texas	E. L. Goar	314	9,368	..	3	2	...
Veterans Admin. Hospital [1-3]	Houston, Texas	E. L. Goar	275	.....	1	3	3	...
Scott and White Memorial Hospitals [1-3]	Temple, Texas	E. R. Veirs	388	6,847	1	1	2	250
University of Virginia Hospital [1-3]	Charlottesville, Va.	E. W. Burton	397	2,987	2	4	3	50
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	D. Guerry, III	315	6,860	1	3	3	50
Gill Memorial Eye, Ear and Throat Hospital [3]	Roanoke, Va.	E. G. Gill	2,387	24,065	1	3	3	...
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	R. C. Laughlin	118	.....	..	1	2	180
University Hospitals [1]	Madison, Wis.	P. S. Duehr	448	4,070	1	3	3	50
Milwaukee County Hospital [1-3]	Milwaukee	E. F. Carl	319	7,619	2	4	2	200
Gorgas Hospital [1-3]	Ancon, C. Z.	R. H. Rupp	406	.....	1	3	3	345
San Juan City Hospital	San Juan, P. R.	G. Pico	...	.....	1	2	2	150

Numerical and other references will be found on page 363.

15. ORTHOPEDIC SURGERY

Type of training acceptable to Board: A—Adult orthopedics; C—Children's orthopedics; F—Fractures. The following services have been approved by the Council and the American Board of Orthopedic Surgery, through the Residency Review Committee for Orthopedic Surgery, as offering acceptable training in adult orthopedics, children's orthopedics, and fractures. Training in the basic sciences is given either as an integral part of these services or as a separate course. Services collaborating in an integral plan of training are designated by a program number, a list of which is found on pages 318-319.

Residents completing their training in these hospitals are eligible for full certification by the American Board of Orthopedic Surgery, including children's orthopedic surgery.

Hospitals, 198; Assistant Residencies and Residencies, 807

Name of Hospital	Location	Chief of Service	Type of Training	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Program Identification	Beginning Stipend Offered [8]
FEDERAL									
UNITED STATES ARMY									
Army Medical Center [1-3]	Washington, D. C.	E. A. Brav	ACF	1,067	1	3	9	..	...
Brooke Army Hospital [1-3]	San Antonio, Texas	J. W. Batch	ACF	2,086	2	4	12	..	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE									
Freedmen's Hospital [1-3]	Washington, D. C.	J. R. Gladden	ACF	274	1	..	1	..	...
VETERANS ADMINISTRATION									
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	D. G. Vesley	AF	286	3	..	..	44	...
Veterans Admin. Hospital [1]	San Francisco	L. C. Abbott—D. E. King	AF	234	..	1	3	2, 3	...
Veterans Admin. Hospital [1]	Hines, Ill.	H. A. Sofield	AF	1,065	46	6	12	50	...
Veterans Admin. Hospital [1]	Indianapolis	G. J. Garceau	AF	424	2	..	1	8	...
Veterans Admin. Hospital [1]	Des Moines, Iowa	D. N. Gibson	AF	1,261	3	1	1	55	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	R. L. Diveley	AF	179	4	2	4	18	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	J. Lyford, III	AF	541	4	1	4	9	...
Veterans Admin. Hospital [1-3]	New Orleans	R. H. Alldredge	AF	374	1	1	3	10	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	J. S. Barr	AF	1,064	18	2	6	13	...
Veterans Admin. Hospital [1-3]	Minneapolis	E. T. Evans	AF	660	6	3	7	16	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	R. L. Diveley	AF	195	1	1	5	..	...
Veterans Admin. Hospital [1-3]	Brooklyn	S. Chessid	AF	684	2	1	3	52	...
Veterans Admin. Hospital [1-3]	Buffalo	W. M. Chardack	AF	512	3	1	2	24	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	P. D. Wilson	AF	579	2	1	4	22	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	R. Wrenn	AF	671	2	1	3	..	...
Veterans Admin. Hospital [1-3]	Cleveland	W. H. McGaw	AF	288	..	3	6	27	...
Veterans Admin. Hospital [1]	Oklahoma City	W. K. West	AF	.....	2	0	1	53	...
Veterans Admin. Hospital	Columbia, S. C.	J. T. Green	AF	.....	1	1	3	45	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	D. M. Street	AF	1,695	1	3	8	1	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	L. L. Lankford	AF	328	1	2	7	47	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)							
Veterans Admin. Hospital	Salt Lake City	J. A. Gubler	A	324	3	..	1	34	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	R. D. Butterworth	AF	937	1	1	3	35	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	P. L. Carnesale	AF	1,126	11	1	5	40	...
NONFEDERAL									
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	J. D. Sherrill	ACF	985	4	2	6	44	108
City Hospital	Mobile, Ala.	W. C. Hannon	ACF	523	2	1	1	..	225
Arkansas Children's Hospital [1]	Little Rock, Ark.	S. Thompson	C	455	2	..	2	1	250
Los Angeles County General Hospital [1]	Los Angeles	J. V. Luck	ACF	3,979	15	5	14	..	200
Orthopaedic Hospital	Los Angeles	A. Brockway	ACF	2,400	1	2	5	..	150
Samuel Merritt Hospital [1]	Oakland, Calif.	H. H. Hitchcock	AF	1,438	2	2	2	2	195
Children's Hospital [1-3]	San Francisco	L. C. Abbott	C	283	..	..	2	2	175
Franklin Hospital [1-3]	San Francisco	L. C. Abbott	A	1,169	2	1	3	2	116
San Francisco Hospital									
Stanford University Service	San Francisco	F. J. Cox	AF	823	1	..	2	2, 3	175
University of California Service [3]	San Francisco	E. R. Schottstaedt	AF	975	..	..	1	2, 3	155
Shriners Hospital for Crippled Children [1]	San Francisco	F. C. Bost	C	291	..	2	2	2	155
Stanford University Hospitals [1-3]	San Francisco	D. E. King	AC	1,175	..	1	4	3	80
University of California Hospital [1-3]	San Francisco	L. C. Abbott	A	282	3	1	3	2	87
Children's Hospital [1-3]	Denver	H. C. Hughes	C	726	1	..	2	4	160
University of Colorado Medical Center									
Colorado General Hospital [1-3]	Denver	A. Thomas	AF	807	4	1	5	4	150
Denver General Hospital [1-3]	Denver	J. S. Miles	AF	627	16	..	..	4	...
Hartford Hospital [1-3]	Hartford, Conn.	M. Pike	AF	1,346	55	1	4	5	75
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	C. O. Bechtol	AF	927	10	..	4	5	50
Hospital of St. Raphael [3]	New Haven, Conn.	R. Fuldner	AF	557	..	2	6	43	125
Newington Home and Hospital for Crippled Children [1-3]	Newington, Conn.	B. H. Curtis	C	473	1	..	3	5	200
Alfred I. du Pont Institute of the Nemours Foundation [1-3]	Wilmington, Del.	A. R. Shands, Jr.	C	281	..	2	2	19, 20	150
District of Columbia General Hospital [1-3]	Washington, D. C.	M. C. Cobey—J. Neviaser	ACF	927	7	3	5	..	143
American Legion Hospital for Crippled Children [1-3]	St. Petersburg, Fla.	R. C. Lonergan	C	688	1	..	1	7	150
Grady Memorial Hospital [1-3]	Atlanta, Ga.	R. P. Kelly	ACF	716	4	3	9	..	20
University Hospital [1-3]	Augusta, Ga.	P. B. Wright	ACF	878	2	2	4	..	160
Children's Memorial Hospital [1-3]	Chicago	C. N. Pease	C	127	..	..	1	7	75
Cook County Hospital [1-3]	Chicago	F. N. Shapiro	ACF	617	7	4	4	..	...
Northwestern University Medical Center									
Chicago Wesley Memorial Hospital [1-3]	Chicago	E. L. Compere	ACF	1,595	..	1	3	7	50
Passavant Memorial Hospital [1-3]	Chicago	E. Hauser	A	684	2	1	3	7	50
Evanston Hospital [1-3]	Evanston, Ill.	V. Turner	AF	777	..	1	1	7	...
St. Elizabeth Hospital [3]	Chicago	C. S. Scuderi	F	768	3	1	1	7	200
Shriners Hospital for Crippled Children [1-3]	Chicago	H. A. Sofield	C	283	..	3	3	50	...
University of Chicago Clinics [1-3]	Chicago	C. H. Hatcher	ACF	836	3	2	5	..	175
University of Illinois Research and Educational Hospitals [1]	Chicago	F. A. Chandler	ACF	786	10	2	6	..	...
St. Francis Hospital [1-3]	Evanston, Ill.	J. J. Fahey	AF	1,074	2	2	2	7	175
West Suburban Hospital [3]	Oak Park, Ill.	H. A. Sofield	AF	744	3	1	1	50	225
St. Francis Hospital [1-3]	Peoria, Ill.	H. E. Cooper	ACF	1,856	6	1	2	..	...
Indianapolis General Hospital [1-3]	Indianapolis	L. Thomas	AF	810	8	2	6	8	165
Indiana University Medical Center [1]	Indianapolis	G. J. Garceau	ACF	849	3	..	7	8	215
St. Vincent's Hospital [1-3]	Indianapolis	G. J. Garceau	AF	883	1	1	2	8	275
University Hospitals [1-3]	Iowa City	C. B. Larson	ACF	2,219	9	4	10	55	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	J. B. Weaver	ACF	544	1	1	3	..	125
Good Samaritan Hospital [1]	Lexington, Ky.	K. Thompson	ACF	1,329	..	1	1	59	225
St. Joseph Hospital [1-3]	Lexington, Ky.	M. G. Brown	ACF	775	5	1	3	59	230
Kosair Crippled Children Hospital [1-3]	Louisville, Ky.	K. A. Fischer	C	729	..	4	4	9	200
Louisville General Hospital [1-3]	Louisville, Ky.	K. A. Fischer	AF	570	4	..	3	9	105
Charity Hospital of Louisiana									
Louisiana State University Unit [1]	New Orleans	H. T. Simon	ACF	1,224	14	4	12	..	100
Tulane University Unit [1]	New Orleans	J. Wickstrom	ACF	1,435	8	4	12	10	100

Numerical and other references will be found on page 363.

15. ORTHOPEDIC SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Program Identification	Beginning Stipend (Month)
Ochsner Foundation Hospital [1]	New Orleans	G. A. Caldwell	AF	229	..	2	4	56	200
Touro Infirmary [1]	New Orleans	R. H. Alldredge	ACF	1,020	3	1	3	10, 56	100
Confederate Memorial Medical Center [1]	Shreveport, La.	C. R. Reed	ACF	1,056	6	2	6	..	125
Baltimore City Hospitals [1-3]	Baltimore	A. F. Voshell	AF	904	8	..	1	58	75
Children's Hospital School [1]	Baltimore	G. E. Bennett	C	618	2	..	..	46, 57	...
James Lawrence Kernan Hospital for Crippled Children [1-3]	Baltimore	A. F. Voshell	C	490	..	..	2	58	250
Johns Hopkins Hospital [1-3]	Baltimore	R. A. Robinson	AF	722	3	..	6	57	20
Boston City Hospital [1-3]	Boston	R. F. Sullivan	AF	2,863	2	..	7	13, 66	132
Children's Medical Center [1-3]	Boston	W. T. Green	C	857	..	6	11	11	50
Lahey Clinic [1-3]	Boston	G. E. Haggart	A	551	1	4	12	66	175
Massachusetts General Hospital [1-3]	Boston	J. S. Barr	ACF	1,452	4	5	6	11	...
Peter Bent Brigham Hospital [1-3]	Boston	W. T. Green	AF	.....	..	..	1	11	42
Massachusetts Hospital School [1]	Canton, Mass.	P. L. Norton	CF	145	..	..	2	13, 66	...
Shriners Hospital for Crippled Children [3]	Springfield, Mass.	G. de N. Hough, Jr.	C	329	..	1	2	66	50
Worcester City Hospital [3]	Worcester, Mass.	J. B. Kelley	AF	988	10	1	2	..	215
Children's Hospital [1-3]	Detroit	F. J. Fischer	C	308	..	..	2	12	200
Harper Hospital [1-3]	Detroit	C. W. Peabody	A	883	2	2	2	12	225
Henry Ford Hospital [1-3]	Detroit	C. L. Mitchell	ACF	1,256	6	4	10	..	225
Receiving Hospital [1-3]	Detroit	A. G. Goetz	F	790	7	..	2	12	270
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	C. H. Frantz	ACF	418	2	1	3	..	225
Borgess Hospital [1-3]	Kalamazoo, Mich.	R. DeLong	ACF	562	7	1	3	..	225
Fairview Hospital [1-3]	Minneapolis	.....	ACF	.....	..	..	..	61	...
Shriners Hospital for Crippled Children [1-3]	Minneapolis	J. D. B. Galloway	C	221	..	2	2	16	100
University of Minnesota Hospitals [1-3]	Minneapolis	W. H. Cole	A	207	2	1	3	16	102
Mayo Foundation [1-3]	Rochester, Minn.	R. K. Ghormley	ACF	5,500	8	9	25	..	150
Gillette State Hospital for Crippled Children [1-3]	St. Paul	C. C. Chatterton	C	783	4	4	4	16	169
Mississippi Baptist Hospital [1]	Jackson, Miss.	T. H. Blake	ACF	1,305	3	1	3	..	150
Children's Mercy Hospital [1-3]	Kansas City, Mo.	C. L. Francisco	C	214	..	1	1	18	125
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	F. G. Pipkin	AF	571	11	..	2	18	150
St. Luke's Hospital [1-3]	Kansas City, Mo.	R. L. Diveley	ACF	1,073	5	1	3	18	175
Barnes Hospital [1-3]	St. Louis	J. A. Key	ACF	1,069	5	1	5	..	50
St. Mary's Group of Hospitals [1-3]	St. Louis	R. M. O'Brien	ACF	776	6	2	6	..	100
University of Nebraska Hospital [1-3]	Omaha	W. R. Hamsa	ACF	.....	..	1	1	..	...
Monmouth Memorial Hospital [1-3]	Long Branch, N. J.	B. M. Halbstein	ACF	734	3	1	3	..	200
Hospital for Crippled Children [1-3]	Newark, N. J.	T. Nicola—H. Kessler	AC	.....	1	2	4	..	150
Hospital Center at Orange									
New Jersey Orthopedic Hospital [1-3]	Orange, N. J.	H. T. Hansen	ACF	686	..	2	2	..	150
Orange Memorial Hospital [1-3]	Orange, N. J.	H. Briggs	.....	448	..	1	1	..	150
Carrie Tingley Hospital for Crippled Children [1]	Truth or Consequences, N. Mex.	W. L. Minear	C	479	2	..	2	7	150
Albany Hospital [1-3]	Albany, N. Y.	C. Campbell	AF	692	2	1	3	42	...
House of St. Giles the Cripple [1-3]	Brooklyn	M. Cleveland—D. Bosworth	C	175	..	1	3	26, 41	100
Kings County Hospital [1-3]									
County Division	Brooklyn	C. C. Vitale	ACF	287	..	1	3	..	104
University Service	Brooklyn	R. F. Warren	ACF	306	..	1	3	..	...
St. Charles Hospital [1-3]	Brooklyn	H. C. Fett	C	304	..	3	3	39, 52	125
Buffalo General Hospital [1-3]	Buffalo	F. N. Potts	AF	939	5	3	4	24	175
Children's Hospital [1-3]	Buffalo	F. N. Potts	C	440	1	..	3	24	125
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	O. C. Hudson	F	1,966	16	2	4	38	225
Nassau Hospital [1-3]	Mineola, N. Y.	O. C. Hudson	AF	1,958	..	3	3	38	170
Bellevue Medical Center									
Division IV—New York University Post-Graduate Medical School [1-3]	New York City	W. A. L. Thompson	ACF	748	..	4	12	51	71
Hospital for Joint Diseases [1-3]	New York City	J. E. Milgram	ACF	2,664	6	6	19	..	80
Hospital for Special Surgery [1-3]	New York City	P. D. Wilson	ACF	1,592	6	4	12	22	160
Metropolitan Hospital [1-3]	New York City	M. J. Wilson	AF	613	6	2	4	67	104
Mount Sinai Hospital [1-3]	New York City	R. K. Lippmann	ACF	1,095	2	2	4	..	50
New York Polyclinic Medical School and Hospital [1-3]	New York City	D. M. Bosworth	F	237	2	..	1	20	...
Presbyterian Hospital [1]	New York City	A. D. Smith	ACF	2,612	1	6	18	..	208
St. Luke's Hospital [1-3]	New York City	D. M. Bosworth	ACF	830	6	1	3	41	75
St. Charles Hospital	Port Jefferson, N. Y.	F. S. Child	C	504	..	..	..	38, 43	...
Rochester General Hospital [1-3]	Rochester, N. Y.	H. B. Crawford	A	648	2	..	1	31	100
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	R. P. Schwartz	ACF	20,589	..	3	7	31	...
Ellis Hospital [1-3]	Schenectady, N. Y.	W. E. Gazeley	AC	789	1	1	3	42	150
St. Vincent's Hospital [1-3]	Staten Island, N. Y.	D. M. Bosworth	F	554	..	1	1	20	150
Sea View Hospital [1-3]	Staten Island, N. Y.	D. M. Bosworth	A	189	..	4	4	20	157
Rehabilitation Hospital [1-3]	W. Haverstraw, N. Y.	J. C. McCauley, Jr.	C	613	1	4	4	14, 51	225
Charlotte Memorial Hospital [1]	Charlotte, N. C.	A. R. Berkeley, Jr.	AF	1,430	2	1	2	48	250
Duke University Hospital [1-3]	Durham, N. C.	L. D. Baker	ACF	745	1	6	17	19	250
North Carolina Orthopedic Hospital [3]	Gastonia, N. C.	W. M. Roberts	C	422	1	2	2	..	...
Children's Hospital [1-3]	Akron, Ohio	F. B. Roberts	C	808	..	2	6	15	250
City Hospital [1-3]	Akron, Ohio	A. E. Davis	ACF	502	..	1	3	15	250
Children's Hospital [1]	Cincinnati	J. A. Freiberg	C	362	..	..	..	17	...
Cincinnati General Hospital [1-3]	Cincinnati	J. A. Freiberg	AF	183	3	2	6	17	50
Jewish Hospital [1-3]	Cincinnati	J. A. Freiberg	A	773	6	..	1	17	165
Cleveland Clinic Hospital [1-3]	Cleveland	J. A. Dickson	ACF	810	3	2	8	3	175
University Hospitals [1-3]	Cleveland	C. H. Herndon	ACF	1,214	1	..	6	..	125
Children's Hospital [1]	Columbus, Ohio	H. B. Lacey	C	514	..	..	3	25	200
Mount Carmel Hospital [1]	Columbus, Ohio	H. B. Lacey	AF	1,285	7	1	1	25	...
Ohio State University Hospitals									
University Hospital [1-3]	Columbus, Ohio	J. D. Wilson	AF	.....	..	..	7	25	175
White Cross Hospital [1-3]	Columbus, Ohio	J. Q. Brown	AF	1,022	1	1	3	25	275
Elyria Memorial Hospital [1-3]	Elyria, Ohio	C. N. Heyman	C	597	4	..	1	27	270
St. Vincent's Hospital [1-3]	Toledo, Ohio	A. L. Bershon	ACF	1,341	4	1	3	..	225
Bone and Joint Hospital [3]	Oklahoma City	E. D. McBride	AF	1,865	..	1	4	53	200
St. Anthony Hospital	Oklahoma City	W. K. West	A	1,513	1	1	1	53	150
University Hospitals [1-3]	Oklahoma City	D. H. O'Donoghue	ACF	1,316	1	2	8	53	85
Emanuel Hospital [1-3]	Portland, Ore.	E. G. Chuinard	AF	2,017	8	1	2	28	175
Shriners Hospital for Crippled Children [1-3]	Portland, Ore.	L. S. Lucas	C	356	..	..	1	28	100
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	L. S. Lucas	AF	580	6	2	6	28	85
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	L. F. Bush	AF	671	3	1	3	6	125
State Hospital for Crippled Children [1]	Elizabethtown, Pa.	T. Outland	C	309	..	3	3	21	253
Hamot Hospital [1-3]	Erie, Pa.	C. W. Fortune	ACF	1,537	9	1	3	..	200
Children's Hospital [1-3]	Philadelphia	J. T. Nicholson	C	233	1	2	2	23	75
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	J. T. Nicholson	A	281	..	1	1	23	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	P. Colonna	ACF	775	2	2	7	20	...
Jefferson Medical College Hospital [1-3]	Philadelphia	A. F. De Palma	AF	761	4	2	8	21	100
Pennsylvania Hospital [1-3]	Philadelphia	J. T. Nicholson	F	207	..	1	1	23	20
Philadelphia General Hospital [1-3]	Philadelphia	I. Stein	ACF	701	9	1	4	23	113

Numerical and other references will be found on page 363.

15. ORTHOPEDIC SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Program Identification	Beginning Stipend (Month)
Shriners Hospital for Crippled Children [1-3]	Philadelphia	J. R. Moore	C	271	..	1	4	29	75
Temple University Hospital [1-3]	Philadelphia	J. R. Moore	AF	1,104	1	1	3	29	...
Allegheny General Hospital [1]	Pittsburgh	P. B. Steele—J. A. Heberling	ACF	1,871	6	2	2	30	200
Children's Hospital [1-3]	Pittsburgh	J. Donaldson—A. Ferguson, Jr.	C	576	..	3	5	6,30	125
Presbyterian Hospital [1-3]	Pittsburgh	J. S. Donaldson	AF	477	2	..	1	30	125
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	C. C. Yount	A	1,999	..	..	1	30	250
Robert Packer Hospital [1-3]	Sayre, Pa.	D. Baker	ACF	537	2	1	3	..	150
Rhode Island Hospital [1-3]	Providence, R. I.	K. G. Burton	ACF	1,622	9	1	4	..	100
Roper Hospital [1-3]	Charleston, S. C.	J. A. Siegling	ACF	1,340	14	1	3	45	...
Columbia Hospital [1-3]	Columbia, S. C.	W. A. Boyd	ACF	1,667	2	1	3	..	175
Greenville General Hospital [1-3]	Greenville, S. C.	F. H. Stelling	AF	832	4	..	3	19	100
Shriners Hospital for Crippled Children [1-3]	Greenville, S. C.	F. H. Stelling	C	374	..	2	3	19, 48	100
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	J. J. Killiffer	ACF	610	1	2	3	..	150
Campbell Clinic Hospital [3]	Memphis, Tenn.	J. S. Speed	ACF	1,981	1	4	12	..	50
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	E. M. Regen	ACF	953	2	1	3	..	50
Baylor University Hospital [1-3]	Dallas, Texas	F. L. Butte	A	2,188	3	2	6	32	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	P. M. Girard	F	692	5	..	..	32	...
Texas Scottish Rite Hospital for Crippled Children [1-3]	Dallas, Texas	B. Carrell	C	636	..	1	3	32, 47	100
Hermann Hospital [1]	Houston, Texas	E. T. Smith	ACF	1,470	5	1	5	..	100
Baylor University College of Medicine Affiliated Hospitals									
Jefferson Davis Hospital [1-3]	Houston, Texas	F. A. Bloom	ACF	819	5	1	3	49	75
Veterans Admin. Hospital [1-3]	Houston, Texas	B. F. Boylston	.....	791	7	1	5	49	...
Salt Lake County General Hospital [1-3]	Salt Lake City	P. A. Pemberton	F	135	..	1	3	34	125
Shriners Hospital for Crippled Children [1-3]	Salt Lake City	P. A. Pemberton	C	233	2	1	1	34	...
University of Virginia Hospital [1-3]	Charlottesville, Va.	J. H. Allan	ACF	867	1	..	6	14	50
Crippled Children's Hospital [1-3]	Richmond, Va.	H. P. Mauck	C	380	..	..	1	35	200
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	H. P. Mauck	AF	1,324	10	3	7	35	75
Children's Orthopedic Hospital [1-3]	Seattle	J. F. Le Cocq	C	783	1	..	1	36	100
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	R. D. Ray	AF	847	28	1	2	36	110
Providence Hospital [1]	Seattle	B. E. McConville	A	3,467	..	1	1	36	200
Shriners Hospital for Crippled Children [1]	Spokane, Wash.	N. R. Brown	C	253	1	..	1	34	...
University Hospitals [1]	Madison, Wis.	R. E. Burns	ACF	1,353	3	3	7	..	50
Columbia Hospital [1-3]	Milwaukee	A. C. Schmidt	AF	609	6	1	3	37	193
Milwaukee Children's Hospital [1]	Milwaukee	W. P. Blount	C	419	..	..	..	37, 40	150
Shriners Hospital for Crippled Children [1]	Honolulu, T. H.	J. W. White	C	175	..	1	1	50	100

The following services have been approved by the Council and the American Board of Orthopedic Surgery, through the Residency Review Committee for Orthopedic Surgery, as offering acceptable training in adult orthopedics and fractures. Training in the basic sciences is given as an integral part of these services or as a separate course. Services collaborating in an integral plan of training are designated by a program number, a list of which is found on pages 318-319.

Residents completing their training in these hospitals are eligible for limited certification by the American Board of Orthopedic Surgery, not to include children's orthopedic surgery.

Hospitals, 41; Assistant Residencies and Residencies, 186

FEDERAL

UNITED STATES ARMY

Letterman Army Hospital [1]	San Francisco	J. D. Blair	AF	1,219	..	3	9	..	...
Fitzsimons Army Hospital [1]	Denver	L. W. Taylor	AF	1,181	3	..	..	..	...

UNITED STATES AIR FORCE

U. S. Air Force Hospital [3]	San Antonio, Texas	H. E. Block	AF	923	3	2	4	..	...

UNITED STATES NAVY

U. S. Naval Hospital [1]	Oakland, Calif.	T. M. Foley, Jr.	AF	1,427	..	..	..	..	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	J. H. Cheffey	AF	1,384	2	1	2	..	...
U. S. Naval Hospital [1]	Chelsea, Mass.	W. C. Cantrell	AF	655	1	1	2	..	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	H. A. Markowitz	AF	914	2	..	..	..	...
U. S. Naval Hospital [1]	Philadelphia	A. B. Dickson	AF	1,130	1	..	..	..	...
U. S. Naval Hospital [1-3]	Portsmouth, Va.	C. A. Stevenson	AF	2,177	..	1	2	..	...

VETERANS ADMINISTRATION

Veterans Admin. Hospital [1-3]	Long Beach, Calif.	R. H. Hall	AF	496	4	1	3	..	...
Veterans Admin. Hospital [1-3]	Los Angeles		AF	1,295	15	3	8	..	...
Veterans Admin. Hospital [1-3]	Denver	M. E. Gibbens	AF	906	..	1	2	..	...
Veterans Admin. Hospital [1-3]	St. Louis	O. P. Hampton, Jr.	AF	102	..	1	3	..	...
Veterans Admin. Hospital [1-3]	Lincoln, Neb.	J. E. M. Thomson	AF	381	..	1	3	..	...
Veterans Admin. Hospital [1-3]	Portland, Ore.	H. C. Blair	AF	645	3	1	3	..	...
Veterans Admin. Hospital	Philadelphia	E. O. Geckler	AF	755	1	2	4	..	...
Veterans Admin. Hospital [1-3]	McKinney, Texas	V. M. Bryant	AF	755	1	2	4	..	...

NONFEDERAL

Lloyd Noland Hospital [1]	Fairfield, Ala.	C. L. Yelton	AF	875	1	1	3	..	225
White Memorial Hospital [1-3]	Los Angeles	T. G. Reynolds	AF	408	2	1	3	..	146
San Diego County General Hospital [1-3]	San Diego, Calif.	F. E. West	AF	398	1	1	2	..	150
St. Joseph's Hospital [1-3]	San Francisco	R. Soto-Hall	AF	871	3	1	3	..	150
St. Mary's Hospital [1-3]	San Francisco	J. J. Loutzenhelser	AF	1,480	..	1	2	..	150
St. Luke's Hospital [1-3]	Chicago	C. N. Lambert	AF	564	5	1	2	..	50
Methodist Hospital [1-3]	Indianapolis	G. Batman	AF	1,649	3	1	2	..	273
Massachusetts Memorial Hospitals [1-3]	Boston	K. Christophe	A	248	1	..	1	62	50
Lynn Hospital [1-3]	Lynn, Mass.	D. M. Killoran	F	1,047	1	1	1	62	150
Worcester City Hospital [3]	Worcester, Mass.	J. B. Kelley	AF	988	10	1	2	..	215
Jewish Hospital [1-3]	Brooklyn	S. A. Bernstein	AF	945	3	1	2	..	...
Methodist Hospital [1-3]	Brooklyn	H. P. Lange	AF	527	2	1	1	..	175
Edward J. Meyer Memorial Hospital [1]	Buffalo	J. P. Cole	AF	137	2	1	2	..	179
Queens Hospital Center [1-3]	Jamaica, N. Y.	F. C. Courten	AF	155	3	1	3	..	105
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	R. B. Raney	AF	308	1	1	2	..	145
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	F. Forsyth	AF	504	3	2	4	..	125
Mount Sinai Hospital [1]	Cleveland	A. Miller	AF	968	4	1	2	..	215
St. Luke's Hospital [1]	Cleveland	W. H. McGaw	AF	1,026	3	1	4	..	120
Youngstown Hospital [1-3]	Youngstown, Ohio	W. D. McElroy	AF	900	6	1	2	..	175
Hahnemann Medical College and Hospital [3]	Philadelphia	E. O. Geckeler	AF	993	..	2	5	..	75
St. Mary's Memorial Hospital [1-3]	Knoxville, Tenn.	R. Brashear	A	1,424	..	1	3	..	300
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	G. W. N. Eggers	AF	628	3	1	3	..	...
St. Joseph's Hospital [1]	Houston, Texas	F. F. Parrish	AF	70	1	1	2	..	225
Scott and White Memorial Hospitals [1-3]	Temple, Texas	R. A. Murray	AF	1,616	1	1	2	..	250

Numerical and other references will be found on page 363.

15. ORTHOPEDIC SURGERY—Continued

The following services are approved by the Council and the American Board of Orthopedic Surgery, through the Residency Review Committee for Orthopedic Surgery, as offering acceptable training in one or more but not all categories of orthopedic surgery. Hospitals included in this list are urged to develop a full three year program, either independently or in collaboration with other institutions in order to assure applicants for appointment of an opportunity for completing their training with progressive graded responsibility.

Hospitals, 24; Assistant Residencies and Residencies, 39

Name of Hospital	Location	Chief of Service	Type of Training	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Program Identification	Beginning Stipend (Month)
FEDERAL									
UNITED STATES NAVY									
U. S. Naval Hospital [1]	San Diego, Calif.	W. R. Miller	AF	2,381	3	..	..	..	...
NONFEDERAL									
Children's Hospital [1-3]	Los Angeles	J. B. Wilson	C	608	3	..	2	..	150
Shriners Hospital for Crippled Children	Los Angeles	G. W. Westin	C	291	..	2	2	..	150
Children's Hospital of the East Bay [1-3]	Oakland, Calif.	E. G. Ewer	C	470	1	..	1	..	200
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	L. Barnard	AF	728	6	1	2	..	195
Sonoma County Hospital [1]	Santa Rosa, Calif.	R. C. Bechtol	A	266	7	1	1	..	425
Hope Haven Hospital [1-3]	Jacksonville, Fla.	F. L. Fort	C	263	..	..	1	..	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	E. W. Cullipher	ACF	1,740	5	2	6	..	75
Scottish Rite Hospital for Crippled Children	Decatur, Ga.	J. H. Kite	C	313	..	1	1	..	200
Emory University Hospital [1]	Emory University, Ga.	R. P. Kelly	C	593	1	..	2	..	215
Alexian Brothers Hospital [3]	Chicago	L. Miller	F	1,809	9	1	1	..	125
Illinois Masonic Hospital [1-3]	Chicago	W. R. Fischer	AF	.....	..	1	1	..	115
Michael Reese Hospital [1-3]	Chicago	S. Sideman	AC	1,001	1	1	3	..	50
Iowa Methodist Hospital [1-3]	Des Moines, Iowa	D. N. Gibson	AF	432	1	1	2	..	150
Mercy Hospital [1-3]	Iowa City	A. Steindler	A	653	..	1	2	..	150
St. Francis Hospital [1-3]	Wichita, Kan.	J. F. Lance	A	1,557	6	2	3	..	275
Shriners Hospital for Crippled Children	Shreveport, La.	G. D. Caldwell	C	266	..	..	..	..	100
St. Louis City Hospital [1-3]	St. Louis	J. O. Lottes—I. Horwitz	F	881	2	1	3	..	190
Shriners Hospital for Crippled Children	St. Louis	C. H. Crego	C	463	..	..	2	..	...
Nebraska Orthopedic Hospital [1]	Lincoln, Neb.	H. W. Orr	C	680	4	1	1	..	150
Orthopaedic Hospital and Dispensary [1-3]	Trenton, N. J.	R. B. Ernest	A	659	..	1	1	..	200
Long Island College Hospital [1-3]	Brooklyn	H. C. Fett, Sr.	A	722	7	2	3	39	75
Reading Hospital [1-3]	Reading, Pa.	E. J. Morrissey	AF	781	6	1	1	..	225
Primary Children's Hospital [1]	Salt Lake City	P. R. Milligan	C	208	..	1	1	..	200

ORTHOPEDIC SURGERY—PROGRAM IDENTIFICATION

Program Number	Hospital	Location
1.	Arkansas Children's Home and Hospital	Little Rock, Ark.
	Veterans Admin. Hospital	Memphis, Tenn.
2.	Samuel Merritt Hospital	Oakland, Calif.
	Veterans Admin. Hospital	San Francisco
	Children's Hospital	San Francisco
	Franklin Hospital	San Francisco
	San Francisco Hospital	San Francisco
	Shriners Hospital for Crippled Children	San Francisco
	University of California Hospital	San Francisco
3.	Veterans Admin. Hospital	San Francisco
	San Francisco Hospital	San Francisco
	Stanford University Hospital	San Francisco
4.	Children's Hospital	Denver
	Colorado General Hospital	Denver
	Denver General Hospital	Denver
5.	Hartford Hospital	Hartford, Conn.
	Grace-New Haven Community Hospital	New Haven, Conn.
	Newington Home and Hospital for Crippled Children	Newington, Conn.
6.	George F. Geisinger Memorial Hospital	Danville, Pa.
	Children's Hospital	Pittsburgh
7.	American Legion Hospital for Crippled Children	St. Petersburg, Fla.
	Chicago Wesley Memorial Hospital	Chicago
	Passavant Memorial Hospital	Chicago
	Veterans Admin. Research Hospital	Chicago
	Evanston Hospital	Evanston, Ill.
	St. Francis Hospital	Evanston, Ill.
	Carrie Tingley Hospital for Crippled Children	Truth or Consequences, N. Mex.
	Primary Children's Hospital	Salt Lake City
8.	Veterans Admin. Hospital	Indianapolis
	Indianapolis General Hospital	Indianapolis
	Indiana University Medical Center	Indianapolis
	St. Vincent's Hospital	Indianapolis
9.	Veterans Admin. Hospital	Louisville, Ky.
	Kosair Crippled Children Hospital	Louisville, Ky.
	Louisville General Hospital	Louisville, Ky.
10.	Veterans Admin. Hospital	New Orleans
	Charity Hospital of Louisiana Tulane University Unit	New Orleans
	Touro Infirmary	New Orleans
11.	Children's Hospital	Boston
	Massachusetts General Hospital	Boston
12.	Children's Hospital	Detroit
	Harper Hospital	Detroit
	Receiving Hospital	Detroit
13.	Veterans Admin. Hospital	Boston
	Boston City Hospital	Boston
	Massachusetts Hospital School	Canton, Mass.
14.	Rehabilitation Hospital	West Haverstraw, N. Y.
	University of Virginia Hospital	Charlottesville, Va.
15.	Children's Hospital	Akron, Ohio
	City Hospital	Akron, Ohio
16.	Veterans Admin. Hospital	Minneapolis
	Shriners Hospital for Crippled Children	Minneapolis
	University of Minnesota Hospitals	Minneapolis
	Gillette State Hospital for Crippled Children	St. Paul
17.	Children's Hospital	Cincinnati
	Cincinnati General Hospital	Cincinnati
	Jewish Hospital	Cincinnati
18.	Veterans Admin. Hospital	Wadsworth, Kan.
	Children's Mercy Hospital	Kansas City, Mo.
	Kansas City General Hospital No. 1	Kansas City, Mo.
	St. Luke's Hospital	Kansas City, Mo.
	Veterans Admin. Hospital	Kansas City, Mo.
19.	Alfred I. du Pont Institute of the Nemours Foundation	Wilmington, Del.
	Duke Hospital	Durham, N. C.
	Veterans Admin. Hospital	Durham, N. C.
	North Carolina Orthopaedic Hospital	Gastonia, N. C.
	Greenville General Hospital	Greenville, S. C.
	Shriners Hospital for Crippled Children	Greenville, S. C.
20.	Alfred I. du Pont Institute of the Nemours Foundation	Wilmington, Del.
	Hospital of the University of Pennsylvania	Philadelphia
21.	State Hospital for Crippled Children	Elizabethtown, Pa.
	Jefferson Medical College Hospital	Philadelphia
22.	Veterans Admin. Hospital	New York City
	Hospital for Special Surgery	New York City
23.	Children's Hospital	Philadelphia
	Graduate Hospital of the University of Pennsylvania	Philadelphia
	Pennsylvania Hospital	Philadelphia
	Philadelphia General Hospital	Philadelphia
24.	Veterans Admin. Hospital	Buffalo
	Buffalo General Hospital	Buffalo
	Children's Hospital	Buffalo
25.	Children's Hospital	Columbus, Ohio
	Mount Carmel Hospital	Columbus, Ohio
	Ohio State University Hospitals University Hospital	Columbus, Ohio
	White Cross Hospital	Columbus, Ohio
26.	House of St. Giles the Cripple	Brooklyn
	New York Polyclinic Medical School and Hospital	New York City
	St. Vincent's Hospital	Staten Island, N. Y.
	Seaview Hospital	Staten Island, N. Y.
27.	Veterans Admin. Hospital	Cleveland
	Elyria Memorial Hospital	Elyria, Ohio
28.	Emanuel Hospital	Portland, Ore.
	Shriners Hospital for Crippled Children	Portland, Ore.
	University of Oregon Medical School Hospitals and Clinics	Portland, Ore.
29.	Shriners Hospital for Crippled Children	Philadelphia
	Temple University Hospital	Philadelphia
30.	Allegheny General Hospital	Pittsburgh
	Children's Hospital	Pittsburgh
	Presbyterian Hospital	Pittsburgh
	St. Francis Hospital	Pittsburgh

Numerical and other references will be found on page 363.

Program Number	Hospital	Location
31.	Rochester General Hospital	Rochester, N. Y.
	Strong Memorial-Rochester Municipal Hospitals	Rochester, N. Y.
32.	Baylor University Hospital	Dallas, Texas
	Parkland Hospital	Dallas, Texas
	Texas Scottish Rite Hospital for Crippled Children	Dallas, Texas
34.	Veterans Admin. Hospital	Salt Lake City
	Salt Lake County General Hospital	Salt Lake City
	Shriners Hospital for Crippled Children	Salt Lake City
35.	Veterans Admin. Hospital	Richmond, Va.
	Crippled Children's Hospital	Richmond, Va.
	Medical College of Virginia-Hospital Division	Richmond, Va.
36.	Children's Orthopedic Hospital	Seattle
	King County Hospital, Unit No. 1 (Harborview)	Seattle
	Providence Hospital	Seattle
37.	Columbia Hospital	Milwaukee
	Milwaukee Children's Hospital	Milwaukee
38.	Meadowbrook Hospital	Hempstead, N. Y.
	Nassau Hospital	Mineola, N. Y.
	St. Charles Hospital for Crippled Children	Port Jefferson, N. Y.
39.	Long Island College Hospital	Brooklyn
	St. Charles Hospital Orthopedic Clinic	Brooklyn
40.	Veterans Admin. Hospital	Milwaukee
	Milwaukee Children's Hospital	Milwaukee
41.	House of St. Giles the Cripple	Brooklyn
	St. Luke's Hospital	New York City
42.	Albany Hospital	Albany, N. Y.
	Ellis Hospital and Eastern New York Orthopedic Hospital School	Schenectady, N. Y.
43.	Hospital of St. Raphael	New Haven, Conn.
	St. Charles Hospital for Crippled Children	Port Jefferson, N. Y.
44.	Veterans Admin. Hospital	Birmingham, Ala.
	Crippled Children's Hospital	Birmingham, Ala.
	University Hospital and Hillman Clinic	Birmingham, Ala.
45.	Veterans Admin. Hospital	Columbia, S. C.
	Roper Hospital	Charleston, S. C.
46.	Veterans Admin. Hospital	Fort Howard, Md.
	Children's Hospital School	Baltimore
47.	Veterans Admin. Hospital	Dallas, Texas
	Texas Scottish Rite Hospital for Crippled Children	Dallas, Texas
48.	Charlotte Memorial Hospital	Charlotte, N. C.
	Shriners Hospital for Crippled Children	Greenville, S. C.
49.	Veterans Admin. Hospital	Houston, Tex.
	Jefferson Davis Hospital	Houston, Tex.
50.	Veterans Admin. Hospital	Hines, Ill.
	Shriners Hospital for Crippled Children	Chicago
	Shriners Hospital for Crippled Children	Honolulu, T. H.
	West Suburban Hospital	Oak Park, Ill.
51.	Bellevue Hospital Center, Division IV—New York University Postgraduate Med. School	New York City
	Rehabilitation Hospital	West Haverstraw, N. Y.
52.	Veterans Admin. Hospital	Brooklyn
	St. Charles Hospital Orthopedic Clinic	Brooklyn
53.	Veterans Admin. Hospital	Oklahoma City
	Bone and Joint Hospital	Oklahoma City
	St. Anthony Hospital	Oklahoma City
	University Hospitals	Oklahoma City
55.	Veterans Admin. Hospital	Des Moines, Iowa
	University Hospitals	Iowa City
56.	Ochsner Foundation Hospital	New Orleans
	Touro Infirmary	New Orleans
57.	Children's Hospital School	Baltimore
	Johns Hopkins Hospital	Baltimore
58.	Baltimore City Hospital	Baltimore
	James Lawrence Kernan Hospital for Crippled Children	Baltimore
59.	Good Samaritan Hospital	Lexington, Ky.
	St. Joseph's Hospital	Lexington, Ky.
61.	Fairview Hospital	Minneapolis
	Minneapolis General Hospital	Minneapolis
	Shriners Hospital for Crippled Children	Minneapolis
	Gillette State Hospital for Crippled Children	St. Paul
62.	Massachusetts Memorial Hospital	Boston
	Lynn Hospital	Lynn, Mass.
	Newington Home and Hospital for Crippled Children	Newington, Conn.
66.	Boston City Hospital	Boston
	Lahey Clinic	Boston
	Massachusetts Hospital School	Canton, Mass.
	Shriners Hospital For Crippled Children	Springfield, Mass.
67.	Hospital for Crippled Children	New York City
	Metropolitan Hospital	New York City

16. OTOLARYNGOLOGY

The following services have been approved by the Council and the American Board of Otolaryngology, through the Residency Review Committee for Otolaryngology, as offering acceptable training in the specialty.

Hospitals, 111; Assistant Residencies and Residencies, 391

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [4]	Total Residencies Offered [5]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Letterman Army Hospital [1]	San Francisco	B. G. McKibben	623	13,640	1	3	...
Army Medical Center [1-3]	Washington, D. C.	F. L. Spann	920	5,660	2	6	...
Brooke Army Hospital [1-3]	San Antonio, Texas	R. P. Rea	571	10,740	1	3	...
UNITED STATES NAVY							
U. S. Naval Hospital [1]	Oakland, Calif.	C. D. Riggs	1,035	3,425	..	..	...
U. S. Naval Hospital [1]	San Diego, Calif.	L. E. Wible	1,434	7,850	..	..	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	S. J. Ryan	1,276	5,234	..	2	...
U. S. Naval Hospital [1]	Philadelphia	W. C. Livingood	909	10,637	..	..	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Little Rock, Ark.	P. L. Mahoney	281	.....	2	2	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	A. Swirsky	279	3,827	1	2	...
Veterans Admin. Hospital [1-3]	Los Angeles	C. S. Mumma	774	3,528	..	2	...
Veterans Admin. Hospital [1]	San Francisco	W. P. Work	305	2,998	1	3	...
Veterans Admin. Hospital [1]	Hines, Ill.	F. L. Lederer	.....	.....	2	4	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	N. E. Lacy	53	180	1	1	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	(See University of Louisville Medical Center)					
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	E. H. Tomb	378	1,740	1	3	...
Veterans Admin. Hospital [1-3]	Minneapolis	H. V. Hanson	210	130	1	2	...
Veterans Admin. Hospital [1-3]	St. Louis	E. H. Lyman	89	1,238	1	3	...
Veterans Admin. Hospital	East Orange, N. J.	.....	.....	.....	..	..	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	D. H. Jones	676	1,444	2	3	...
Veterans Admin. Hospital [1-3]	Cleveland	V. M. Jordan	404	1,054	1	2	...
Veterans Admin. Hospital [1]	Pittsburgh	S. L. Kyler	384	.....	1	3	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	T. C. Maguda	622	4	1	2	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	C. D. Winborn	143	1	2	4	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)					
Veterans Admin. Hospital [1-3]	McKinney, Texas	D. A. Corgill	261	6	1	3	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	G. D. Straus	340	174	1	1	...
NONFEDERAL							
Los Angeles County General Hospital [1]	Los Angeles	A. H. Miller	2,134	24,806	1	5	200
Los Angeles Eye and Ear Hospital [1-3]	Los Angeles	A. H. Miller	1,817	3,634	2	4	...
White Memorial Hospital [1-3]	Los Angeles	L. R. House	938	5,495	1	2	146
Stanford University Hospitals [1-3]	San Francisco	R. C. McNaught	584	6,346	1	3	80
University of California Hospital [1-3]	San Francisco	L. F. Morrison	412	.....	1	3	87
Harbor General Hospital [1-3]	Torrance, Calif.	S. Kaplan	.....	2,682	1	2	200
University of Colorado Medical Center Colorado General Hospital [1-3]	Denver	H. L. Hickey	163	3,216	1	2	150

Numerical and other references will be found on page 363.

16. OTOLARYNGOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [8]	Total Residencies Offered [8]	Beginning Stipend (Month)
Denver General Hospital [1-8]	Denver	H. L. Hickey	162	1	..	..	...
Grace-New Haven Community Hospital [1-8]	New Haven, Conn.	J. A. Kirchner	722	5,121	1	3	50
Episcopal Eye, Ear and Throat Hospital [8]	Washington, D. C.	D. B. Moffett	4,550	15,220	2	6	150
Tampa Municipal Hospital [1-8]	Tampa, Fla.	J. B. Farrior	730	.....	1	2	125
Grady Memorial Hospital [1-8]	Atlanta, Ga.	W. C. Warren	33	78	1	3	20
Cook County Hospital [1-8]	Chicago	S. J. Pearlman	924	12,123	5	5	...
Illinois Eye and Ear Infirmary [1-8]	Chicago	F. L. Lederer	943	31,339	6	14	110
Northwestern University Medical Center							
Chicago Wesley Memorial Hospital [1-8]	Chicago	G. E. Shambaugh, Jr.	964	.....	1	1	50
University of Chicago Clinics [1-8]	Chicago	J. R. Lindsay	442	8,987	1	3	175
University of Illinois Research and Educational Hospitals [1]	Chicago	F. L. Lederer	392	8,730	1	2	...
Indianapolis General Hospital [1-8]	Indianapolis	D. Brown	647	5,666	1	3	165
Indiana University Medical Center [1]	Indianapolis	M. Manion	434	4,047	1	4	165
University Hospitals [1-8]	Iowa City	D. M. Lierle	2,043	4,610	4	12	118
University of Kansas Medical Center [1-8]	Kansas City, Kan.	G. O. Proud	647	6,147	1	4	125
University of Louisville Medical Center							
Louisville General Hospital [1-8]	Louisville, Ky.	W. C. Wolfe	43	.....	..	1	157
Veterans Admin. Hospital [1-8]	Louisville, Ky.	M. Oppenheim	200	671	1	2	...
Charity Hospital of Louisiana							
Louisiana State University Unit	New Orleans						
Tulane University Unit	New Orleans		.....	.....	..	..	...
Eye, Ear, Nose and Throat Hospital	New Orleans	L. W. Alexander	4,181	9,379	5	6	100
Baltimore Eye, Ear, Nose and Throat Charity Hospital [1-8]	Baltimore	T. R. O'Rourk	3,421	10,409	1	3	150
Johns Hopkins Hospital [1-8]	Baltimore	J. E. Bordley	1,040	8,215	..	5	20
Mercy Hospital	Baltimore	T. A. Schwartz	1,291	1,561	1	3	...
University Hospital [1-8]	Baltimore	T. R. O'Rourk	243	224	1	3	50
Boston City Hospital [1-8]	Boston	A. J. Gorney	2,082	18,654	3	6	112
Massachusetts Eye and Ear Infirmary [1-8]	Boston	L. A. Schall	3,255	21,140	3	9	500
University Hospital [1-8]	Ann Arbor, Mich.	A. C. Furstenberg	612	8,294	2	8	145
Harper Hospital [1-8]	Detroit	W. Warren	3,155	1	1	3	225
Henry Ford Hospital [1-8]	Detroit	J. L. Dill	993	16,130	2	2	225
Receiving Hospital [1-8]	Detroit	J. E. Croushore	491	4,732	1	3	270
University of Minnesota Hospitals [1-8]	Minneapolis	L. R. Boles	355	4	2	6	102
Mayo Foundation [1-8]	Rochester, Minn.	H. L. Williams	958	26,922	2	5	150
Kansas City General Hospital No. 1	Kansas City, Mo.	.....	.....	.....	..	..	...
Homer G. Phillips Hospital [1-8]	St. Louis	A. J. Cone	185	2	2	6	100
St. Mary's Group of Hospitals [1-8]	St. Louis	B. J. McMahon	510	2,852	1	3	100
Washington University Hospitals							
Barnes Hospital [1-8]	St. Louis	T. E. Walsh	2,888	.....	2	9	50
McMillan Hospital	St. Louis						
Newark Eye and Ear Infirmary [1-8]—Harrison S. Martland Medical Center	Newark, N. J.	E. P. Cardwell	1,881	8	1	1	125
Albany Hospital [1-8]	Albany, N. Y.	B. Volk	592	.....	1	3	...
Brooklyn Eye and Ear Hospital [1-8]	Brooklyn	J. P. Baker	6,119	38,152	2	6	100
Kings County Hospital							
County Division	Brooklyn	E. A. Sunde	.....	.....	1	2	...
University Service [1-8]	Brooklyn	C. Dennis	311	2,555	1	2	104
Long Island College Hospital [1-8]	Brooklyn	C. R. Weeth	938	1,919	1	3	75
Buffalo General Hospital [1-8]	Buffalo	H. E. Bozer	897	1,209	1	3	175
Bellevue Medical Center							
Division IV—New York University Post-Graduate Medical School [1-8]	New York City	J. F. Daly	2,269	15,284	5	12	71
Harlem Eye and Ear Hospital [1-8]	New York City	E. Grabscheid	2,365	23,332	1	3	50
Manhattan Eye, Ear and Throat Hospital [1-8]	New York City	W. B. Allan	7,393	42,458	4	8	50
Mount Sinai Hospital [1-8]	New York City	J. L. Goldman	542	5,056	1	3	50
New York City Hospital [1-8]	New York City	O. C. Risch	221	4,930	1	3	104
New York Eye and Ear Infirmary [1-8]	New York City	J. S. Hanley	3,039	33,571	6	18	50
New York Hospital [1-8]	New York City	J. A. Moore	1,765	11,314	2	4	34
New York Polyclinic Medical School and Hospital [1-8]	New York City	W. W. Morrison	894	6,085	..	..	...
Presbyterian Hospital [1]	New York City	E. P. Fowler, Jr.	1,828	16,629	4	8	208
Roosevelt Hospital [1-8]	New York City	R. C. Grove	663	5,798	1	3	116
St. Luke's Hospital [1-8]	New York City	V. C. McCuaig	832	9,640	1	3	75
Strong Memorial-Rochester Municipal Hospital [1-8]	Rochester, N. Y.	C. A. Heatly	2,903	.....	1	2	...
State University of New York Medical Center [1-8]	Syracuse, N. Y.	A. H. Rubenstein	1,157	2,808	2	2	192
Duke University Hospital [1-8]	Durham, N. C.	W. W. Eagle	557	9,165	..	..	...
McPherson Hospital [1-8]	Durham, N. C.	T. C. Kerns	1,071	15,609	1	3	100
North Carolina Baptist Hospitals [1-8]	Winston-Salem, N. C.	J. A. Harrill	416	1,885	1	3	125
Cincinnati General Hospital [1-8]	Cincinnati	H. A. Goodyear	528	4,282	2	6	75
Cleveland Clinic Hospital [1-8]	Cleveland	H. E. Harris	797	15,637	2	6	175
St. Luke's Hospital [1]	Cleveland	T. W. Thoburn	3,037	2,367	1	3	120
Ohio State University Hospitals							
University Hospital [1-8]	Columbus, Ohio	E. W. Harris	321	2,629	..	6	...
University Hospitals [1-8]	Oklahoma City	O. A. Watson	171	1,353	1	1	85
University of Oregon Medical School Hospitals and Clinics [1-8]	Portland, Ore.	G. L. Boyden	488	3,367	1	3	...
George F. Geisinger Memorial Hospital [1-8]	Danville, Pa.	F. W. Davison	995	10,042	1	3	125
Graduate Hospital of the University of Pennsylvania [1-8]	Philadelphia	L. E. Silcox	1,415	2,085	2	4	100
Hospital of the University of Pennsylvania [1-8]	Philadelphia	H. Schenck	1,373	5,573	3	8	...
Jefferson Medical College Hospital [1-8]	Philadelphia	F. Harbert	1,768	7,305	..	2	85
Temple University Hospital [1-8]	Philadelphia	M. S. Ersner	1,472	2,177	1	1	...
Mercy Hospital [1-8]	Pittsburgh	J. A. Perrone	1,678	2,351	1	3	175
Pittsburgh Medical Center							
Eye and Ear Hospital [1-8]	Pittsburgh	T. B. McCollough	4,799	4,529	1	4	125
Rhode Island Hospital [1-8]	Providence, R. I.	R. W. Pearson	1,554	.....	1	3	100
Roper Hospital	Charleston, S. C.	R. M. Hope	201	1,019	1	3	83.33
John Gaston Hospital [1-8]	Memphis, Tenn.	S. Sanders	290	.....	1	2	35
University of Texas Medical Branch Hospitals [1-8]	Galveston, Texas	J. Robison	304	8,894	2	4	...
Baylor University College of Medicine Affiliated Hospitals							
Jefferson Davis Hospital [1-8]	Houston, Texas	H. H. Harris	245	8,361	1	2	...
Veterans Admin. Hospital [1-8]	Houston, Texas	H. H. Harris	309	.....	1	3	...
University of Virginia Hospital [1-8]	Charlottesville, Va.	G. S. Fitzhugh	1,141	5,756	1	3	50
Medical College of Virginia-Hospital Division [1-8]	Richmond, Va.	P. N. Pastore	936	4,023	2	4	50
University Hospitals [1]	Madison, Wis.	C. Taborsky	531	.....	1	2	50

Numerical and other references will be found on page 363.

16. OTOLARYNGOLOGY—Continued

The following hospitals approved by the Council and the American Board of Otolaryngology, through the Residency Committee for Otolaryngology, offer training in otolaryngology of less than three years' duration, which is integrated with or contributory to a fully approved program.

Hospitals, 10; Assistant Residencies and Residencies, 13

Name of Hospital	Location	Chief of Service	Inpatients Treated	Outpatient Visits	First Year Residencies Offered [a]	Total Residencies Offered [a]	Beginning Stipend (Month)
FEDERAL							
Veterans Admin. Research Hosptial	Chicago	J. Waller	22	.....	..	..	...
Veterans Admin. Hospital	Portland, Ore.	G. L. Boyden	167	646	..	1	...
NONFEDERAL							
Children's Hospital	San Francisco	R. C. Martin	883	1,082	1	1	125
San Francisco Hospital	San Francisco						
Stanford University Service		S. Von Christierson	154	.....	..	1	175
University of California Service		L. F. Morrison	185	.....	1	1	175
District of Columbia General Hospital	Washington, D. C.	V. Alfaro-O. Houston	280	2,073	1	2	143
Minneapolis General Hospital	Minneapolis	R. E. Priest	207	2,189	..	1	182
Ancker Hospital	St. Paul	G. Strate	210	1,998	1	1	190
St. Louis Children's Hospital	St. Louis	.....	...	.....	..	..	...
St. Louis City Hospital	St. Louis	J. West	202	4,057	2	3	190
Philadelphia General Hospital	Philadelphia	G. L. Whelan	186	.....	2	2	118

17. PATHOLOGY

The following services have been approved by the Council and the American Board of Pathology. Services which have been evaluated on the basis of training in the two categories, pathologic anatomy and clinical pathology, are designated as follows: a—pathologic anatomy only; c—clinical pathology only; p—pathologic anatomy and clinical pathology. Training in hospitals which are not so designated in this list will be evaluated by the Board on an individual basis at the time of application for certification.

Hospitals, 489; Assistant Residencies and Residencies, 1,855

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [a]	Total Residencies Offered [a]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL										
UNITED STATES ARMY										
Letterman Army Hospital [1]	San Francisco	M. M. Bayliss	313	6,694	6,690	479,818	1	6	4[p]	...
Fitzsimons Army Hospital [1]	Denver	H. A. Van Auken	232	3,973	3,973	522,161	..	..	4[p]	...
Armed Forces Institute of Pathology [1-3]	Washington, D. C.	H. G. Grady	20,222	35,238	35,238	.....	..	20	1[a]	...
Army Medical Center [1-3]	Washington, D. C.	K. F. Ernst-H. Sprinz	238	8,115	5,822	919,902	2	8	4[p]	...
Brooke Army Hospital [1-3]	San Antonio, Texas	C. J. Lind, Jr.	288	6,451	6,451	727,446	2	8	4[p]	...
UNITED STATES NAVY										
U. S. Naval Hospital [1]	Oakland, Calif.	H. V. O'Connell	218	6,040	5,919	132,835	..	..	4[p]	...
U. S. Naval Hospital [1]	San Diego, Calif.	J. S. Shaver	370	8,246	8,246	865,425	..	..	4[a]	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	V. E. Martens	204	7,492	7,492	16,837	..	3	4[p]	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	S. S. Sarkisian	143	8,124	8,124	215,690	..	..	3[p]	...
U. S. Naval Hospital [1]	Philadelphia	J. D. Langston	130	18,592	18,592	212,531	..	..	4[p]	...
UNITED STATES PUBLIC HEALTH SERVICE										
U. S. Public Health Service Hospital [1-3]	New Orleans	L. L. Swan	118	3,568	3,237	146,148	1	4	1[p]	...
U. S. Public Health Service Hospital [1]	Baltimore	W. Monroe	93	3,796	3,796	151,365	1	4	4[p]	...
National Institutes of Health-Clinical Center [1-3]	Bethesda, Md.	H. Stewart	40	1,320	1,320	53,411	1	1	3[c]	...
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	T. N. Warren	141	4,393	4,020	233,438	1	4	4[p]	...
U. S. Public Health Service Hospital	Seattle	T. L. Perrin	168	3,747	3,538	105,707	1	3	2[p]	...
VETERANS ADMINISTRATION										
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	B. M. Hathaway	127	1,325	1,325	139,643	1	2	3[p]	...
Veterans Admin. Hosptial [1-3]	Long Beach, Calif.	B. E. Konwaler	441	3,991	3,991	435,735	2	6	4[p]	...
Veterans Admin. Hospital [1-3]	Los Angeles	L. Kaplan	1,081	5,402	5,402	724,699	5	14	4[p]	...
Veterans Admin. Hospital [1]	San Francisco	J. B. Frerichs-T. Feichtmeir	210	2,599	2,599	187,636	1	4	3[p]	...
Veterans Admin. Hospital [1-3]	Denver	E. H. Valentine	238	1,641	1,626	133,771	1	3	3[p]	...
Veterans Admin. Hospital	Newington, Conn.	.....	...	.....	.....	.....	..	..	2[p]	...
Veterans Admin. Hospital [1-3]	West Haven, Conn.	R. Yesner	78	1,083	1,005	99,602	1	3	2[p]	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	J. S. Howe	201	1,500	1,500	141,135	1	4	2[p]	...
Veterans Admin. Hospital [1-3]	Coral Gables, Fla.	R. V. Thomson	242	1,875	1,875	101,576	2	5	4[p]	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	J. Mendeloff	143	1,966	1,666	179,875	1	3	4[p]	...
Veterans Admin. Research Hospital [1-3]	Chicago	(See Northwestern University Medical Center)								
Veterans Admin. Hospital [1]	Hines, Ill.	W. L. McNamara	619	14,480	14,480	731,230	2	8	4[p]	...
Veterans Admin. Hospital [1]	Indianapolis	(See Indiana University Medical Center)								
Veterans Admin. Hospital [1]	Des Moines, Iowa	T. E. Corcoran	146	2,426	2,426	145,950	1	4	4[p]	...
Veterans Admin. Hospital [1-3]	Iowa City	K. R. Cross	124	1,701	1,631	113,164	2	6	4[p]	...
Veterans Admin. Hospital [1-3]	Topeka, Kan.	R. L. Graham	80	461	454	91,846	1	1	1[p]	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	P. E. Garber	207	1,563	1,403	141,083	2	4	4[p]	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	H. Gordon	166	2,485	2,475	120,924	1	3	4[p]	...
Veterans Admin. Hospital [1-3]	New Orleans	J. Ziskind	151	2,322	2,309	161,102	1	3	3[p]	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	W. B. Vandegrift	138	912	875	98,210	1	1	2[p]	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	J. D. Houghton	357	3,556	3,544	457,896	1	3	3[p]	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	(See Wayne University Affiliated Hospitals)								
Veterans Admin. Hospital [1-3]	Minneapolis	D. F. Gleason	285	5,092	4,632	323,122	2	4	4[p]	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	R. C. Shaffer	154	1,591	1,155	148,143	2	4	4[p]	...
Veterans Admin. Hospital [1-3]	St. Louis	J. M. Burnett	81	1,490	1,380	64,883	1	2	4[p]	...
Veterans Admin. Hospital	East Orange, N. J.	.....	...	.....	.....	.....	..	..	3[a]	...
Veterans Admin. Hospital [1-3]	Albuquerque, N. M.	W. Hentel	122	1,591	1,561	182,905	1	1	1[a]	...
Veterans Admin. Hospital [1-3]	Albany, N. Y.	T. S. Beecher	230	2,388	2,388	153,945	2	6	3[p]	...
Veterans Admin. Hospital [1-3]	Brooklyn	M. Bovarnick	280	3,578	3,578	314,335	1	4	4[p]	...
Veterans Admin. Hospital [1-3]	Buffalo	A. Golden	177	2,160	2,052	264,001	1	2	3[p]	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	B. S. Gordon	358	4,202	4,202	472,002	3	7	3[p]	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	R. D. Baker	102	1,967	1,967	141,659	2	5	4[p]	...

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [a]	Total Residencies Offered [a]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL										
Veterans Admin. Hospital [1-3]	Oteen, N. C.	O. Kanner	98	3,633	3,633	292,574	1	1	1[p]	...
Veterans Admin. Hospital [1-3]	Cleveland	J. R. Kahn	365	4,086	3,500	253,912	1	4	4[p]	...
Veterans Admin. Hospital [1-3]	Dayton, Ohio	S. Simerman	300	1,805	2,907	184,151	1	4	2[a]	...
Veterans Admin. Hospital [1-3]	Philadelphia	A. L. Pietroluongo	242	1,011	1,011	163,748	1	4	4[p]	...
Veterans Admin. Hospital [1]	Pittsburgh	E. R. Fisher	329	2,276	2,286	224,429	2	8	3[p]	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	J. M. Young	247	4,108	3,642	363,108	1	3	3[p]	...
Veterans Admin. Hospital [1]	Nashville, Tenn.	S. H. Auerbach	124	1,940	1,840	158,095	1	2	2[p]	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	L. Weiss	372	2,027	2,027	152,234	1	4	3[p]	...
Veterans Admin. Hospital [3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)								
Veterans Admin. Hospital [1-3]	McKinney, Texas	B. E. McCain	128	2,671	2,671	208,251	1	4	4[p]	...
Veterans Admin. Hospital	Salt Lake City	O. N. Rambo, Jr.	63	999	899	70,350	1	2	1[a]	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	R. E. Miller	79	973	887	79,445	1	1	1[p]	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	J. R. Kriz	166	2,086	1,865	232,267	1	2	2[p]	...
Veterans Admin. Hospital [1-3]	Seattle	D. V. Brown	207	1,435	1,375	79,442	1	3	3[p]	...
Veterans Admin. Hospital [1-3]	Martinsburg, W. Va.	R. G. Gottschalk	121	1,281	1,002	182,920	1	2	2[p]	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	J. Lubitz	452	2,329	2,129	259,932	2	6	4[p]	...
NONFEDERAL										
Birmingham Baptist Hospital	Birmingham, Ala.	A. E. Casey	183	.....	.....	352,535	1	3	4[p]	...
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	J. F. A. McManus	273	5,716	5,716	222,696	2	6	4[a]	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	W. F. Scott, Jr.	80	1,987	1,987	136,418	1	1	1[p]	225
City Hospital	Mobile, Ala.	E. B. Wert	216	1,081	2,162	67,218	1	1	3[p]	225
Maricopa County General Hospital	Phoenix, Ariz.	M. Rosenthal	232	.....	.....	120,144	..	1	1[a]	300
University Hospital [1-3]	Little Rock, Ark.	A. Nettleship	387	7,153	7,153	133,177	2	5	3[a]	145
Kern General Hospital [1]	Bakersfield, Calif.	R. W. Huntington, Jr	276	2,653	2,499	158,535	1	3	4[p]	325
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	H. R. Fishback	187	3,424	2,496	87,046	1	4	3[p]	175
St. Joseph's Hospital [1-3]	Burbank, Calif.	R. Straus	124	4,715	3,124	112,141	1	1	1[p]	200
City of Hope National Medical Center [1-3]	Duarte, Calif.	F. S. Preuss	112	3,200	3,150	80,729	1	1	1[a]	400
San Joaquin General Hospital [1-3]	French Camp, Calif.	H. J. Schneider	375	2,801	2,299	154,614	..	..	3[a]	...
Glendale Sanitarium and Hospital [1]	Glendale, Calif.	A. F. Brown	171	2,947	2,210	80,722	1	4	4[p]	165
Loma Linda Sanitarium and Hospital [1-3]	Loma Linda, Calif.	C. S. Small	174	3,439	3,300	7,100	2	7	4[p]	213
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	J. A. Tuta	139	5,787	4,707	163,410	1	3	2[p]	150
California Hospital [1-3]	Los Angeles	A. Wright	162	6,104	4,578	139,175	1	2	4[p]	175
Cedars of Lebanon Hospital [1-3]	Los Angeles	N. B. Friedman	254	6,396	6,281	152,437	1	4	4[p]	150
Children's Hospital [1-3]	Los Angeles	W. C. Thomas	229	747	747	117,963	2	2	1[a]	90
Hospital of the Good Samaritan [1-3]	Los Angeles	L. J. Tragerman	166	6,082	4,257	154,930	2	2	4[p]	200
Los Angeles County General Hospital [1]	Los Angeles	E. M. Butt	1,890	14,755	13,188	688,484	2	4	4[p]	200
Queen of Angels Hospital [1-3]	Los Angeles	A. R. Camero	256	5,525	4,755	159,347	1	4	4[p]	150
St. Vincent's Hospital [3]	Los Angeles	J. E. Kahler	98	7,847	3,396	79,945	1	1	2[p]	225
White Memorial Hospital [1-3]	Los Angeles	O. B. Pratt	208	4,625	4,066	126,310	1	4	4[p]	146
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	R. J. Parsons	324	3,906	3,330	144,977	1	4	4[p]	196
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	M. Friedman	405	12,564	9,781	330,209	2	6	4[p]	175
Collis P. and Howard Huntington Memorial Hosp. [1-3]	Pasadena, Calif.	H. R. Fisher	277	.....	7,393	220,757	1	4	4[p]	240
Sacramento County Hospital [1-3]	Sacramento, Calif.	L. E. Nolan	588	2,690	2,104	187,088	1	1	1[a]	...
San Bernardino County Charity Hospital	San Bernardino, Calif.	J. D. Kirshbaum	349	2,131	1,702	10,924	2	2	2[a]	190
Mercy Hospital [1]	San Diego, Calif.	D. A. De Santo	206	7,587	7,015	170,329	1	4	4[p]	200
San Diego County General Hospital [1-3]	San Diego, Calif.	L. Palmer	332	1,951	1,530	111,989	1	4	4[p]	150
Franklin Hospital [1-3]	San Francisco	J. L. Carr	70	6,080	3,137	39,136	1	1	2[p]	116
French Hospital [1-3]	San Francisco	G. A. Watson	105	3,054	2,196	70,589	1	2	1[p]	125
Mount Zion Hospital [1-3]	San Francisco	G. R. Biskind	185	4,392	3,961	129,795	1	4	4[p]	...
St. Francis Memorial Hospital [1-3]	San Francisco	J. L. Zundell	101	5,911	3,694	72,650	1	2	2[p]	250
St. Luke's Hospital [3]	San Francisco	M. B. Black	87	4,314	2,628	101,609	2	2	2[p]	200
San Francisco Hospital										
Stanford University Service	San Francisco	A. J. Cox	243	1,279	1,279	.....	1	1	3[a]	175
University of California Service [3]	San Francisco	J. L. Carr	243	1,740	1,740	.....	1	1	3[a]	175
Stanford University Hospitals [1-3]	San Francisco	A. J. Cox	171	3,166	3,166	83,762	1	3	3[a]	80
University of California Hospital [1-3]	San Francisco	J. F. Reinhart	191	4,216	4,216	81,495	1	4	4[p]	87
O'Connor Hospital	San Jose, Calif.	L. R. Grams	115	3,254	2,760	121,386	1	2	2[p]	300
Santa Clara County Hospital [1]	San Jose, Calif.	D. L. Alcott	289	1,900	1,909	176,660	1	4	4[p]	...
Santa Barbara Cottage Hospital [1-3]	Santa Barbara, Calif.	E. L. Benjamin	88	3,440	3,070	48,040	1	3	2[a]	140
St. John's Hospital	Santa Monica, Calif.	.....	...	.....	.....	.....	..	..	2[a]	...
Harbor General Hospital [1-3]	Torrance, Calif.	S. Madden	518	3,383	3,286	272,176	1	4	4[p]	200
Glockner-Penrose Hospital [1-3]	Colorado Springs, Colo.	M. Berthrong	103	2,483	2,463	82,566	2	2	2[a]	200
Children's Hospital [1-3]	Denver	H. D. Palmer	119	628	620	114,580	1	4	4[p]	150
General Rose Memorial Hospital [1]	Denver	K. Neubuerger	121	5,347	4,174	92,347	1	3	3[a]	160
Mercy Hospital [1-3]	Denver	E. Hildebrand	114	4,400	4,142	47,786	..	2	2[p]	...
Presbyterian Hospital [1-3]	Denver	A. E. Lubchenco	156	3,756	2,778	61,997	1	2	2[a]	150
St. Joseph's Hospital [1-3]	Denver	S. M. Prather Ashe	201	6,230	6,230	79,703	1	2	4[p]	150
St. Luke's Hospital [1-3]	Denver	W. C. Black	181	9,960	7,110	132,302	1	4	4[p]	150
University of Colorado Medical Center										
Colorado General Hospital [1-3]	Denver	J. B. McNaught-J. H. Holmes	283	3,356	3,353	182,632	5	13	4[p]	150
Denver General Hospital [1-3]	Denver	W. C. White	723	2,786	2,786	250,576	..	..	4[p]	...
Colorado State Hospital [1-3]	Pueblo, Colo.	M. Gallavan	173	654	706	69,430	2	5	3[p]	415
Bridgeport Hospital [1-3]	Bridgeport, Conn.	I. B. Akerson	146	3,523	3,523	104,323	1	2	2[a]	240
Danbury Hospital [1-3]	Danbury, Conn.	P. T. McIlroy	106	.....	.....	72,043	1	1	1[a]	200
Greenwich Hospital [1-3]	Greenwich, Conn.	J. S. Morris	121	3,203	2,704	58,054	1	2	2[p]	150
Hartford Hospital [1-3]	Hartford, Conn.	R. E. Kendall	412	11,376	10,815	247,355	1	4	4[p]	50
St. Francis Hospital [1-3]	Hartford, Conn.	L. P. Hastings	244	6,257	5,694	206,726	2	4	4[p]	100
Middlesex Hospital	Middletown, Conn.	C. E. McLeod	126	2,856	1,973	64,671	1	1	2[p]	100
New Britain General Hospital [1-3]	New Britain, Conn.	P. D. Rosahn	220	3,215	1,818	137,158	1	4	4[p]	200
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	A. A. Liebow	605	4,512	4,487	236,021	1	2	4[p]	50
Hospital of St. Raphael [3]	New Haven, Conn.	R. Nesbit	178	4,839	4,434	122,498	1	4	4[p]	125
Norwalk Hospital [1-3]	Norwalk, Conn.	R. N. Barnett	174	4,350	2,123	105,480	2	2	4[p]	160
Stamford Hospital	Stamford, Conn.	W. M. Layton, Jr.	180	3,291	3,022	154,160	4	4	4[p]	150
St. Mary's Hospital [1-3]	Waterbury, Conn.	M. E. Cox	148	4,550	2,954	149,161	1	3	3[p]	225
Waterbury Hospital [1]	Waterbury, Conn.	J. O. Collins	243	4,858	4,372	136,217	1	4	4[p]	225
Delaware Hospital [1-3]	Wilmington, Del.	J. W. Howard	266	5,961	5,787	181,503	1	4	4[p]	180
Memorial Hospital [1-3]	Wilmington, Del.	J. W. Abbiss	155	3,495	3,495	82,867	1	2	2[a]	175
Wilmington General Hospital [1-3]	Wilmington, Del.	J. V. Casella	72	2,742	2,742	102,949	1	1	1[p]	250
Central Dispensary and Emergency Hospital [1]	Washington, D. C.	F. W. Konzelmann	132	2,882	2,882	60,200	1	4	4[p]	225
Children's Hospital [1-3]	Washington, D. C.	E. C. Rice	99	511	505	116,240	1	2	2[p]	50
District of Columbia General Hospital [1-3]	Washington, D. C.	D. Weiss	648	3,407	3,407	236,281	2	6	4[p]	143
Doctors Hospital [1-3]	Washington, D. C.	O. B. Hunter, Jr.	135	5,545	4,881	205,031	1	2	2[p]	150
Garfield Memorial Hospital [1-3]	Washington, D. C.	E. C. Rice	40	3,675	3,504	103,205	1	3	4[p]	210
Georgetown University Hospital [3]	Washington, D. C.	C. F. Geschickter	303	4,139	4,139	231,946	5	10	4[p]	20
George Washington University Hospital [1-3]	Washington, D. C.	T. M. Peery	227	6,659	6,608	229,287	1	4	4[p]	150
Providence Hospital [1-3]	Washington, D. C.	K. McCoy	180	4,564	4,494	135,029	1	4	4[p]	200

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [a]	Total Residencies Offered [a]	Length of Approved Program (Years)	Beginning Stipend (Month)
Sibley Memorial Hospital [1-3]	Washington, D. C.	O. B. Hunter	187	4,319	4,156	105,014	..	1	4[p]	200
Duval Medical Center [1-3]	Jacksonville, Fla.	J. W. Eversole	247	2,701	2,701	131,577	1	2	2[a]	150
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	M. C. Wharton	147	4,582	3,151	100,648	1	2	4[p]	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	W. A. D. Anderson	602	9,061	7,462	317,370	4	9	4[p]	75
Mount Sinai Hospital [1-3]	Miami Beach, Fla.	M. Lev	109	2,329	2,027	115,111	1	4	4[p]	250
St. Francis Hospital [1-3]	Miami Beach, Fla.	R. J. Poppiti	124	2,487	2,487	68,487	1	1	1[p]	200
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	D. Ayer	248	5,000	5,000	111,382	2	4	4[p]	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	J. Funke-I. B. Ross	241	4,699	4,699	133,124	1	2	2[p]	...
Grady Memorial Hospital [1-3]	Atlanta, Ga.	R. Hausman	502	7,368	26,589	225,044	5	10	4[p]	20
Piedmont Hospital [1]	Atlanta, Ga.	W. B. Matthews	119	10,354	10,354	133,740	1	4	3[p]	160
University Hospital [1-3]	Augusta, Ga.	D. Mullins, Jr.-W. Shepeard	197	1,126	4,510	104,636	1	1	3[p]	160
Emory University Hospital [1]	Emory University, Ga.	W. H. Sheldon	196	2,845	2,845	116,525	1	4	4[p]	180
Alexian Brothers Hospital [3]	Chicago	J. P. Simonds	130	1,872	1,397	64,292	1	1	1[p]	125
American Hospital [1-3]	Chicago	W. F. Eisenstaedt	95	1,904	1,809	64,759	1	1	1[a]	50
Augustana Hospital [1-3]	Chicago	G. Miles	164	3,230	2,934	85,400	1	4	4[p]	150
Children's Memorial Hospital [1-3]	Chicago	J. D. Boggs	115	1,078	1,078	78,586	..	2	1[p]	75
Cook County Hospital [1-3]	Chicago	H. Popper	1,515	9,130	.....	444,494	4	4	4[p]	50
Englewood Hospital [3]	Chicago	G. T. Rich	115	1,760	1,740	65,270	1	1	1[a]	200
Grant Hospital [1-3]	Chicago	C. C. Mason	145	3,907	2,784	87,608	1	1	3[p]	225
Illinois Masonic Hospital [1-3]	Chicago	L. S. King	248	3,291	3,169	174,448	1	1	3[p]	115
Mercy Hospital [1-3]	Chicago	J. H. Peers	158	4,411	3,510	96,835	1	4	3	100
Michael Reese Hospital [1-3]	Chicago	O. Saphir	527	6,758	6,758	457,511	2	7	4[p]	100
Mount Sinai Hospital [1-3]	Chicago	I. Davidsohn	192	13,516	13,516	298,727	1	6	4[p]	100
Northwestern University Medical Center										
Chicago Wesley Memorial Hospital [1-3]	Chicago	T. C. Laipply	228	6,267	6,267	287,687	1	4	4[p]	50
Passavant Memorial Hospital [1-3]	Chicago	M. Wheelock	125	3,225	3,225	125	4	4	4[p]	50
Veterans Admin. Research Hospital [1-3]	Chicago	H. A. Teloh	92	860	860	63,831	2	6	1[p]	...
Evanston Hospital [1-3]	Evanston, Ill.	H. G. Davis, Jr.	223	4,084	4,084	174,061	1	3	4[p]	50
Norwegian American Hospital [1-3]	Chicago	A. Learner	75	2,830	1,947	74,661	1	1	1[p]	225
Presbyterian Hospital [1]	Chicago	G. M. Hass	225	4,675	4,675	197,021	2	5	3[a]	125
Ravenswood Hospital [1-3]	Chicago	L. R. Ferraro	165	3,013	3,013	75,992	1	2	2[p]	75
St. Joseph Hospital [1-3]	Chicago	G. Stevenson	101	2,906	2,546	79,280	1	4	2[p]	200
St. Luke's Hospital [1-3]	Chicago	E. F. Hirsch	262	.....	.....	315,481	1	4	4[p]	50
St. Mary of Nazareth Hospital [1]	Chicago	E. W. Thurston	119	3,286	2,583	164,081	1	1	1[a]	150
University of Chicago Clinics [1-3]	Chicago	P. R. Cannon	383	6,103	5,807	368,280	1	3	4[p]	175
University of Illinois Research and Educational Hospitals [1]	Chicago	C. A. Krakower	263	5,739	5,739	419,060	2	6	4[p]	...
St. Francis Hospital [1-3]	Evanston, Ill.	J. W. Henry	240	5,728	4,429	184,572	1	3	3[p]	175
Methodist Hospital of Central Illinois [1-3]	Peoria, Ill.	H. I. Brown	164	5,669	4,459	84,749	1	2	4[p]	200
St. Francis Hospital [1-3]	Peoria, Ill.	J. R. Kraft-E. P. Elzi	257	5,233	3,935	131,775	1	2	4[p]	...
Rockford Memorial Hospital	Rockford, Ill.	M. O. Alexander	127	3,526	2,933	78,851	1	2	2[p]	200
St. Anthony Hospital [1-3]	Rockford, Ill.	A. R. K. Matthews	145	.....	.....	88,676	1	2	4[p]	250
St. Joseph's Hospital [1-3]	Fort Wayne, Ind.	S. M. Rabson-L. A. Schneider	187	4,429	4,118	108,741	2	8	2[p]	250
Methodist Hospital	Gary, Ind.	R. A. Burger	177	.....	.....	104,500	1	3	3[a]	100
Indianapolis General Hospital [1-3]	Indianapolis	P. Evans	341	2,756	2,737	154,740	1	4	3	210
Indiana University Medical Center Hospitals										
Indiana University Medical Center [1]	Indianapolis	E. Smith	348	4,926	3,716	206,972	4	10	4[p]	175
Veterans Admin. Hospital [1]	Indianapolis	D. Rosenbaum	261	1,404	1,404	165,576	3	3	3[p]	...
Methodist Hospital [1-3]	Indianapolis	H. M. Banks	231	12,083	8,337	442,692	1	4	4[p]	275
St. Vincent's Hospital [1-3]	Indianapolis	L. N. Foster	160	5,460	3,198	137,789	1	2	4[p]	275
St. Elizabeth Hospital	Lafayette, Ind.	J. M. McFadden	110	2,660	2,600	105,117	1	4	2[a]	175
Ball Memorial Hospital [1]	Muncie, Ind.	L. G. Montgomery	178	5,133	3,854	140,475	3	3	4[p]	200
South Bend Medical Foundation Hospitals	South Bend, Ind.	C. S. Culbertson	357	10,780	9,840	279,000	2	5	4[p]	300
Elkhart General Hospital	Elkhart, Ind.	.....	...	.....	.....	.....	..	..	..	...
St. Joseph Hospital	Mishawaka, Ind.	.....	...	.....	.....	.....	..	..	..	...
Memorial Hospital	South Bend, Ind.	.....	...	.....	.....	.....	..	..	..	...
St. Joseph's Hospital	South Bend, Ind.	.....	...	.....	.....	.....	..	..	..	...
Iowa Methodist Hospital [1-3]	Des Moines, Iowa	R. C. Dunn	171	4,628	5,167	114,395	1	2	2[p]	150
Mercy Hospital [1-3]	Des Moines, Iowa	F. C. Coleman	183	3,496	3,496	125,120	1	4	4[p]	300
University Hospitals [1-3]	Iowa City	E. D. Warner	465	5,887	5,887	93,424	2	4	3[p]	208
University of Kansas Medical Center [1-3]	Kansas City, Kan.	R. Stowell	296	7,730	7,656	7,830	5	10	4[p]	125
St. Francis Hospital [1-3]	Wichita, Kan.	W. P. Callahan, Jr.	218	9,252	8,891	173,642	1	4	4[p]	275
Wesley Hospital [1-3]	Wichita, Kan.	B. E. Stufer	168	.....	.....	103,020	1	1	1[a]	305
Children's Hospital	Louisville, Ky.	.....	...	.....	.....	.....	..	..	1[p]	...
Louisville General Hospital [1-3]	Louisville, Ky.	A. J. Miller	270	2,606	2,587	179,608	1	3	4[p]	153
Baton Rouge General Hospital [1]	Baton Rouge, La.	S. Colvin, Jr.-W. Randall, Jr.	83	4,243	4,243	127,034	1	1	1[p]	300
Charity Hospital of Louisiana [1]	New Orleans	E. Moss	1,850	14,964	14,964	686,060	3	12	4[p]	100
Hotel Dieu-Sisters Hospital [1]	New Orleans	R. M. Hartwell	110	8,113	8,113	179,971	1	4	4[p]	225
Southern Baptist Hospital [1]	New Orleans	E. H. Lawson	174	24,716	24,716	406,325	1	4	4[p]	225
Touro Infirmary [1]	New Orleans	A. J. Hertzog	211	8,705	6,571	221,257	1	4	4[p]	100
Confederate Memorial Medical Center [1]	Shreveport, La.	W. R. Mathews	297	5,477	5,477	233,975	1	3	3[p]	125
Eastern Maine General Hospital [1]	Bangor, Maine	R. C. Wadsworth	148	6,763	6,083	153,963	1	2	4[p]	100
Central Maine General Hospital [1]	Lewiston, Maine	C. F. Branch	215	5,423	5,423	89,769	1	2	4[p]	150
Maine General Hospital [1]	Portland, Maine	J. E. Porter	204	5,193	4,342	140,217	1	4	4[p]	100
Baltimore City Hospitals [1-3]	Baltimore	A. D. Pollack	249	1,700	1,700	137,415	1	3	3[a]	75
Johns Hopkins Hospital [1-3]	Baltimore	A. R. Rich	572	5,673	5,673	307,559	..	4	3[a]	90
Lutheran Hospital	Baltimore	J. A. Wagner	108	2,227	2,222	.....	..	..	1[a]	...
Maryland General Hospital—Hospital for Women	Baltimore	.....	...	.....	.....	.....	..	..	3[a]	...
Mercy Hospital [1-3]	Baltimore	C. G. Warner	348	3,335	.....	402,331	..	1	3[a]	275
Sinai Hospital [1-3]	Baltimore	T. Weinberg	175	7,925	7,925	214,760	2	6	4[p]	110
Union Memorial Hospital [1-3]	Baltimore	W. C. Merkel	165	7,965	7,840	116,220	1	1	4[p]	115
University Hospital [1-3]	Baltimore	H. R. Spencer	338	5,878	.....	347,795	..	..	3[a]	...
Prince George's General Hospital	Cheverly, Md.	J. C. Burns	79	2,490	2,297	62,646	2	4	2[p]	200
Beverly Hospital	Beverly, Mass.	D. E. Brown	130	1,454	1,454	78,460	2	2	4[p]	100
Beth Israel Hospital [1-3]	Boston	M. J. Schlesinger	188	4,384	4,384	172,280	1	3	3[a]	42
Boston City Hospital [1-3]	Boston	G. K. Mallory	1,020	5,508	5,503	49,488	3	9	4[p]	112
Boston Lying-In Hospital [1-3]	Boston	W. S. Ober	114	2,042	2,042	80,225	1	2	1[p]	25
Carney Hospital [1-3]	Boston	M. W. Shapiro	103	3,244	3,244	94,602	1	1	1[a]	125
Children's Medical Center [1-3]	Boston	S. Farber	300	1,818	1,818	100,000	..	1	1[a]	50
Faulkner Hospital [1-3]	Boston	P. M. Le Compte	115	2,905	2,372	59,943	1	3	1[a]	162
Massachusetts General Hospital [1-3]	Boston	B. Castleman	784	8,218	8,218	10,842	3	9	4[p]	66.67
Massachusetts Memorial Hospital [1-3]	Boston	S. Sommers	108	2,711	2,711	9,074	1	2	2[p]	50
New England Center Hospital [1-3]	Boston	H. E. MacMahon	149	3,300	3,275	201,534	..	4	2[a]	150
New England Deaconess Hospital [1-3]	Boston	S. Warren	229	.....	.....	246,775	3	10	4[p]	135
Peter Bent Brigham Hospital [1-3]	Boston	G. J. Dammin	276	2,868	2,868	66,199	5	6	3[a]	42
St. Elizabeth's Hospital [1-3]	Boston	J. H. Graham	117	4,367	4,367	123,998	1	1	1[a]	125
Mount Auburn Hospital [1-3]	Cambridge, Mass.	H. E. MacMahon	112	2,813	2,789	92,725	1	1	1	125

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Truesdale Hospital [1-3]	Fall River, Mass.	W. Freeman	71	3,337	1,474	80,821	1	1	1[a]	150
Burbank Hospital [1]	Fitchburg, Mass.	H. J. Sparling	98	2,800	2,800	68,812	1	1	1[p]	150
Lawrence General Hospital [1-3]	Lawrence, Mass.	L. S. Jolliffe	149	1,482	1,482	83,761	1	4	3[p]	175
Lynn Hospital [1-3]	Lynn, Mass.	H. G. Olken	122	4,045	4,045	112,252	1	1	1[p]	150
Malden Hospital [1-3]	Malden, Mass.	M. V. MacKenzie	76	2,342	2,342	76,885	1	1	1[a]	125
St. Luke's Hospital	New Bedford, Mass.	V. Kiarsis	114	4,117	3,207	192,745	2	4	2[a]	200
Newton-Wellesley Hospital [1-3]	Newton, Mass.	D. Skinner	104	4,702	3,214	105,279	2	4	2[p]	170
Quincy City Hospital [1-3]	Quincy, Mass.	R. B. Street, Jr.	143	2,756	.....	103,843	1	2	2[p]	102
Salem Hospital [1-3]	Salem, Mass.	D. A. Nickerson	1,282	6,440	6,440	89,772	1	4	4[p]	125
Springfield Hospital [1-3]	Springfield, Mass.	W. Kaufmann	140	4,290	4,290	114,733	1	3	2[a]	125
Pondville Hospital [1]	Walpole, Mass.	S. Warren	118	1,603	1,603	37,677	..	2	1[p]	490
Worcester City Hospital [3]	Worcester, Mass.	F. Fite	305	3,161	2,561	123,676	2	2	3[p]	215
St. Joseph Mercy Hospital [1-3]	Ann Arbor, Mich.	S. C. Howard	106	3,539	7,078	118,535	..	..	2	200
University Hospital [1-3]	Ann Arbor, Mich.	C. V. Weller	517	9,724	6,482	2,685	4	12	3	145
Leila Y. Post Montgomery Hospital [1]	Battle Creek, Mich.	A. A. Humphrey	323	8,062	8,062	72,435	..	..	3[p]	275
Grace Hospital [1-3]	Detroit	C. I. Owen	330	9,685	9,685	241,936	1	4	3[p]	225
Harper Hospital [1-3]	Detroit	P. F. Morse	308	7,581	7,581	263,126	1	4	4[p]	225
Henry Ford Hospital [1-3]	Detroit	F. W. Hartman	397	8,973	8,973	477,431	2	8	4[p]	225
Mount Carmel Mercy Hospital [1-3]	Detroit	L. W. Gardner	305	7,527	7,501	226,690	1	4	4[p]	225
Providence Hospital [1-3]	Detroit	D. H. Kaump	246	4,523	4,523	130,180	1	4	4[p]	250
Wayne University Affiliated Hospitals										
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	M. W. Wilson	335	2,857	2,857	330,534	2	5	4[p]	...
Detroit Memorial Hospital [1]	Detroit	J. D. Langston	131	2,406	2,406	68,663	1	3	4[p]	250
Herman Kiefer Hospital [1-3]	Detroit	P. C. Martineau	240	1,472	1,472	1,067,364	2	2	1[p]	273
Receiving Hospital [1-3]	Detroit	O. A. Brines	815	5,911	5,911	471,951	2	8	4[p]	270
Sinai Hospital	Detroit	S. D. Kobernick	159	3,862	3,010	115,629	1	3	2[p]	300
Woman's Hospital [1-3]	Detroit	E. Jennings	134	14,699	14,510	190,848	1	2	2[a]	250
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	S. E. Gould	395	3,981	3,983	240,019	2	6	4[p]	279
Hurley Hospital [1]	Flint, Mich.	G. R. Backus	258	7,881	3,205	114,936	1	1	4[p]	325
McLaren General Hospital [1]	Flint, Mich.	G. R. Backus	123	3,277	3,246	92,083	1	1	1[a]	325
St. Joseph's Hospital [1-3]	Flint, Mich.	G. R. Backus	177	4,239	3,045	105,327	1	1	1[a]	400
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	C. A. Payne	198	6,945	6,945	118,152	1	2	2[p]	225
Butterworth Hospital [1-3]	Grand Rapids, Mich.	J. D. Mann	183	8,922	5,479	144,669	1	2	2[a]	225
Edward W. Sparrow Hospital [1-3]	Lansing, Mich.	C. E. Black	190	4,235	4,235	109,054	1	3	3[a]	350
Pontiac General Hospital [1-3]	Pontiac, Mich.	J. J. Marra	147	.....	.....	133,490	1	1	2[p]	...
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	R. E. Olsen	106	3,644	3,608	89,925	1	1	2[p]	325
Saginaw General Hospital [1-3]	Saginaw, Mich.	R. V. Bucklin	151	3,039	2,932	90,942	1	2	4[p]	325
St. Luke's Hospital [1-3]	Duluth, Minn.	A. H. Wells	398	7,387	7,135	304,642	1	4	4[p]	200
St. Mary's Hospital [1-3]	Duluth, Minn.	W. V. Knoll	264	3,723	3,348	.....	1	4	4[p]	175
Minneapolis General Hospital [1-3]	Minneapolis	J. I. Coe	370	3,300	2,461	440,596	1	2	3[a]	182
Northwestern Hospital [1-3]	Minneapolis	F. H. Lott	200	4,675	.....	103,433	1	1	2[a]	200
St. Barnabas Hospital [1-3]	Minneapolis	N. H. Lufkin	139	4,664	3,868	117,487	1	1	2[a]	...
Swedish Hospital [1-3]	Minneapolis	A. R. Jay	248	5,533	3,977	113,869	1	1	2[a]	200
University of Minnesota Hospitals [1-3]	Minneapolis	J. Dawson	443	5,488	5,488	578,230	2	5	4[p]	162
Mayo Foundation [1-3]	Rochester, Minn.	J. W. Kernohan	858	26,042	26,042	950,000	6	22	4[p]	150
Ancker Hospital [1-3]	St. Paul	J. F. Noble	366	1,599	1,599	194,058	1	1	2[a]	162
Charles T. Miller Hospital [1]	St. Paul	K. Ikeda	124	5,446	5,171	155,887	..	1	4[p]	185
St. Joseph's Hospital [1-3]	St. Paul	E. M. James	141	4,653	4,495	109,881	1	2	2[p]	162
St. Louis County Hospital [1-3]	Clayton, Mo.	J. Wyatt	185	1,200	1,088	116,843	1	3	3	225
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	V. B. Bubler	397	2,330	2,090	449,344	1	4	4[p]	150
Menorah Medical Center [1-3]	Kansas City, Mo.	H. Cohen	154	5,263	3,325	133,938	1	3	3[p]	200
Research Hospital [1-3]	Kansas City, Mo.	H. K. B. Allebach	165	4,531	4,235	160,642	1	3	4[p]	175
St. Joseph Hospital [1-3]	Kansas City, Mo.	R. W. Kerr	188	6,314	5,149	205,193	2	4	3[a]	250
St. Luke's Hospital [1-3]	Kansas City, Mo.	F. C. Helwig	221	12,861	11,575	166,915	2	5	4[p]	175
St. Mary's Hospital [1-3]	Kansas City, Mo.	A. Lapi	224	4,309	3,631	109,955	2	2	4[p]	200
Barnes Hospital [1-3]	St. Louis	W. S. Hartroft	618	7,381	7,381	436,152	2	13	4[p]	50
De Paul Hospital [1-3]	St. Louis	J. D. Bauer	136	3,048	2,569	181,534	2	2	2[a]	200
Homer G. Phillips Hospital [1-3]	St. Louis	J. O. Blache	268	2,836	2,654	60,808	2	4	2[p]	190
Jewish Hospital [1-3]	St. Louis	H. T. Blumenthal	175	5,003	4,253	143,291	2	3	4[p]	100
Missouri Baptist Hospital [1-3]	St. Louis	W. R. Platt	155	4,577	15,644	94,632	1	1	3[p]	175
St. John's Hospital [1-3]	St. Louis	H. N. Allen	187	8,996	3,260	136,368	1	2	2[p]	200
St. Louis City Hospital [1-3]	St. Louis	J. Saxton	510	812	3,247	237,867	3	6	3[a]	190
St. Mary's Group of Hospitals [1-3]	St. Louis	H. Pinkerton	315	8,888	6,206	390,487	2	8	3	200
Montana Deaconess Hospital [1-3]	Great Falls, Mont.	E. J. Eichwald	107	1,572	1,174	54,597	1	1	1[p]	200
Lincoln General Hospital [1-3]	Lincoln, Neb.	H. B. Miller	109	3,364	3,364	72,044	1	1	1[a]	200
Bishop Clarkson Memorial Hospital [1-3]	Omaha	M. E. Foster	4,002	4,002	3,183	3,183	1	2	3[p]	175
Creighton Memorial-St. Joseph's Hospital	Omaha	B. C. Russum	201	14,502	14,502	14,323	1	4	4[p]	175
Nebraska Methodist Hospital [1-3]	Omaha	J. R. Schenken	106	6,364	6,364	75,500	1	4	4[p]	200
University of Nebraska Hospital [1-3]	Omaha	J. R. Schenken	97	.....	.....	112,645	1	4	4[p]	...
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	R. E. Miller	172	3,753	3,486	147,473	1	4	4[p]	188
Elliot Hospital [1-3]	Manchester, N. H.	S. M. Brooks	105	2,023	1,504	59,783	1	1	1[p]	75
Atlantic City Hospital [1-3]	Atlantic City, N. J.	M. Ackerman	109	2,231	2,231	56,134	1	1	2[p]	200
Cooper Hospital [1-3]	Camden, N. J.	W. T. Read, Jr.	319	3,696	3,433	150,795	1	1	4[p]	200
West Jersey Hospital [1-3]	Camden, N. J.	A. S. Conston	118	2,392	2,355	119,161	2	4	3[a]	200
Englewood Hospital	Englewood, N. J.	I. A. Gaspar	82	3,826	2,843	131,840	..	1	1[a]	150
Christ Hospital	Jersey City, N. J.	A. J. Gitlitz	109	3,841	3,359	74,461	2	2	2[p]	175
Jersey City Medical Center [1-3]	Jersey City, N. J.	A. M. Gnassi	259	9,002	9,022	278,267	2	3	4[p]	125
Monmouth Memorial Hospital [1-3]	Long Branch, N. J.	M. R. Rush	131	3,009	2,703	108,920	1	2	2[a]	200
Mountainside Hospital [1-3]	Montclair, N. J.	J. L. Work	154	4,766	4,571	143,747	2	2	3[p]	175
Morristown Memorial Hospital [1-3]	Morristown, N. J.	H. F. Luddecke	162	3,658	3,240	79,324	2	3	3[a]	185
Burlington County Hospital	Mt. Holly, N. J.	J. T. Bauer	125	1,098	1,098	40,831	1	1	1[a]	160
Harrison S. Martland Medical Center [1-3]	Newark, N. J.	E. Albano	278	1,949	3,286	197,060	2	6	3[a]	162
Hosp. of St. Barnabas and for Women and Children [1-3]	Newark, N. J.	W. G. Bernhard	108	2,883	2,523	82,903	1	2	3[p]	150
Newark Beth Israel Hospital [1-3]	Newark, N. J.	L. Goldman	214	5,043	5,043	75,654	1	1	4[p]	75
Presbyterian Hospital [1-3]	Newark, N. J.	S. A. Goldberg	356	6,168	4,921	124,665	2	2	2[p]	125
St. Michael's Hospital [1-3]	Newark, N. J.	S. J. Rose	140	4,281	4,281	160,514	..	2	4[p]	125
Orange Memorial Hospital [1-3]	Orange, N. J.	A. R. Abel	180	3,216	3,216	91,875	1	4	4[p]	150
Bergen Pines County Hospital	Paramus, N. J.	.....	...	.....	.....	.....	..	..	2[a]	...
Passaic General Hospital [1-3]	Passaic, N. J.	J. R. Gannon	119	2,738	2,429	73,249	1	1	3[p]	250
St. Mary's Hospital [1-3]	Passaic, N. J.	R. Brill	91	2,378	2,378	59,210	..	1	2[p]	200
Barnert Memorial Hospital	Paterson, N. J.	.....	...	.....	.....	.....	..	..	2[p]	...
Paterson General Hospital [1-3]	Paterson, N. J.	A. H. Davis	129	4,508	4,317	45,677	1	2	2[p]	125
St. Joseph Hospital [1-3]	Paterson, N. J.	G. B. Kim	193	3,460	3,460	84,147	3	3	3[p]	150
Muhlenberg Hospital [1-3]	Plainfield, N. J.	H. Hansen	154	3,254	2,925	90,744	1	1	1[p]	200
Overlook Hospital	Summit, N. J.	G. L. Erdman	111	.....	.....	82,931	1	2	2[p]	200
Mercer Hospital [3]	Trenton, N. J.	T. K. Rathmell	116	1,756	2,079	102,746	..	3	4[p]	150
St. Francis Hospital [1-3]	Trenton, N. J.	S. Weintraub	174	2,596	.....	137,838	2	2	2[a]	...
Albany Hospital [1-3]	Albany, N. Y.	A. W. Wright	430	7,957	7,957	242,513	1	4	4[p]	...

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
Bender Laboratory Hospitals	Albany, N. Y.	J. J. Clemmer	202	8,099	8,099	326,340	2	5	4[p]	250
Anthony N. Brady Maternity Home	Albany, N. Y.		...	.....	.....	.....	..	..	..	...
Memorial Hospital	Albany, N. Y.		...	.....	.....	.....	..	..	..	...
St. Peter's Hospital	Albany, N. Y.		...	.....	.....	.....	..	..	..	...
Binghamton City Hospital [1-3]	Binghamton, N. Y.	T. Cope, Jr.	182	2,579	2,515	111,569	1	1	4[p]	150
Beth-El Hospital [1-3]	Brooklyn	D. M. Spain	63	4,456	4,429	283,164	2	3	4[p]	125
Brooklyn Hospital [1-3]	Brooklyn	J. A. De Veer	181	4,500	4,450	134,450	1	4	4[p]	...
Coney Island Hospital [1-3]	Brooklyn	H. Fink	153	1,278	1,278	141,356	1	4	4[p]	105
Cumberland Hospital [1-3]	Brooklyn	S. H. Polayes	163	2,051	1,788	14,083	1	4	4[p]	...
Greenpoint Hospital [1-3]	Brooklyn	R. Aronoff	126	7,826	7,826	204,615	2	3	3[p]	105
Jewish Chronic Disease Hospital [1-3]	Brooklyn	B. W. Volk	81	.....	.....	240,000	1	1	1[c]	175
Jewish Hospital [1-3]	Brooklyn	D. Grayzel	198	6,739	5,557	142,041	2	5	4[p]	75
Kings County Hospital	Brooklyn	P. Fitzgerald	...	.....	.....	.....	2	4	4[p]	...
Long Island College Hospital [1-3]	Brooklyn	T. G. Morrione	165	3,625	3,625	142,264	1	4	4[p]	75
Maimonides Hospital [1-3]	Brooklyn	A. R. Kantrowitz	190	4,844	268,172	268,172	..	3	3[p]	75
Methodist Hospital [1-3]	Brooklyn	B. S. Herr, Jr.	114	3,502	3,490	106,598	1	3	3[p]	175
Norwegian Lutheran Deaconesses' Home and Hospital [1-3]	Brooklyn	E. S. Wedding	132	2,052	2,052	109,181	1	2	1[p]	185
St. Catherine's Hospital [1-3]	Brooklyn	M. Waehstein	99	1,643	1,643	118,201	1	2	2[p]	125
St. Mary's Hospital [1-3]	Brooklyn	W. Moitrier, Jr.	76	2,120	2,120	58,658	1	1	1[p]	175
Buffalo General Hospital [1-3]	Buffalo	K. L. Terplan	363	6,128	16	6,128	2	2	2[a]	175
Deaconess Hospital [1-3]	Buffalo	S. Tannhauser	102	5,826	5,034	16,381	1	2	3[p]	250
Edward J. Meyer Memorial Hospital [1]	Buffalo	S. Sanes	359	4,152	.....	307,174	1	3	2[a]	179
Millard Fillmore Hospital [1-3]	Buffalo	A. V. Postoloff	221	6,306	6,306	255,874	1	3	2[a]	258
Arnot-Ogden Memorial Hospital [1-3]	Elmira, N. Y.	B. W. Juvelier	102	2,374	2,374	73,817	..	..	1[a]	...
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	J. Werne-I. Garrow	154	6,492	11,684	103,322	1	3	4[p]	150
Glens Falls Hospital	Glens Falls, N. Y.		...	.....	.....	.....	..	..	1[p]	...
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	T. J. Curphey	725	3,800	3,109	310,246	5	9	4[p]	225
Mary Immaculate Hospital [1-3]	Jamaica, N. Y.	M. Bevilacqua	72	2,957	2,515	145,517	2	4	2[p]	120
Queens Hospital Center [1-3]	Jamaica, N. Y.	G. Silverman	578	3,969	3,797	717,441	5	8	4[p]	105
Charles S. Wilson Memorial Hospital [1-3]	Johnson City, N. Y.	A. Kosinski	199	5,859	3,981	160,552	1	4	4[p]	200
Kingston Laboratory Hospitals [1-3]	Kingston, N. Y.	H. Derman	177	3,784	3,784	147,571	1	2	2[p]	250
Kingston Hospital	Kingston, N. Y.		...	.....	.....	.....	..	..	..	...
Benedictine Hospital	Kingston, N. Y.		...	.....	.....	.....	..	..	..	...
Ulster County Tuberculosis Hospital	Kingston, N. Y.		...	.....	.....	.....	..	..	..	...
St. John's Long Island City Hospital [1-3]	Long Island City, N. Y.	N. Mitchell	91	.....	.....	53,808	2	2	3[p], 1[p]	150
Nassau Hospital [1-3]	Mineola, N. Y.	R. Durham	102	3,300	3,250	68,192	1	1	1[p]	170
Mount Vernon Hospital [3]	Mount Vernon, N. Y.	J. G. Sharnoff	96	4,172	4,172	84,852	1	1	3[p]	150
New Rochelle Hospital [1-3]	New Rochelle, N. Y.	W. C. Schraft	126	7,196	7,196	108,797	1	1	1[a]	225
Bellevue Medical Center										
Div. III—New York University College of Medicine [1-3]	New York City	S. Wilens	760	6,816	6,816	1,064,848	1	3	4[p]	71
Beth Israel Hospital [1-3]	New York City	W. Antopol	141	3,884	3,884	181,572	2	2	3[p]	135
Bronx Hospital [1-3]	New York City	J. Felsen	92	5,102	5,642	113,970	1	2	2[p]	100
Doctors Hospital [1-3]	New York City	J. R. Lisa	45	3,661	3,632	77,264	..	..	1[a]	200
Flower and Fifth Avenue Hospitals [1-3]	New York City	F. D. Speer	126	5,238	4,025	167,816	2	4	4[p]	...
Fordham Hospital [1-3]	New York City	L. J. Millman	256	3,792	3,792	191,933	1	2	2[a]	105
Francis Delafield Hospital [1-3]	New York City	H. P. Smith	275	2,345	2,345	103,472	5	6	2[a]	106
Goldwater Memorial Hospital [1-3]	New York City	J. Rosenthal	101	3,435	3,435	87,020	1	3	2[p]	104
Harlem Hospital [1-3]	New York City	V. Dolgopol	829	5,776	5,776	377,449	..	2	4[p]	...
Hospital for Joint Diseases [1-3]	New York City	H. L. Jaffe	44	2,415	2,415	84,531	1	1	1[a]	80
Jewish Memorial Hospital [3]	New York City	A. Schwarz	94	2,210	5,238	94,936	1	1	1[p]	150
Knickerbocker Hospital [1-3]	New York City	W. Finkelstein	78	1,474	1,221	.....	1	1	1[a]	110
Lebanon Hospital [1-3]	New York City	J. C. Ehrlich	83	3,669	.....	109,212	..	2	3[p]	100
Lenox Hill Hospital [1-3]	New York City	G. L. Rohdenburg	150	.....	.....	4,934	1	1	1[a]	180
Memorial Center for Cancer and Allied Diseases [1-3]	New York City	F. W. Stewart	225	20,791	20,971	20,971	..	10	3[a]	90
Metropolitan Hospital [1-3]	New York City	F. Speer	307	3,456	3,439	833,924	2	3	2[a]	104
Montefiore Hospital [1-3]	New York City	H. Zimmerman	371	3,655	3,655	138,354	3	6	3[p]	75
Morrisania City Hospital [1-3]	New York City	M. R. Dacso	221	.....	.....	174,394	2	3	4[p]	105
Mount Sinai Hospital [1-3]	New York City	P. Klemperer-G. Shwartzman	480	8,610	8,610	301,851	2	10	4[p]	50
New York City Hospital [1-3]	New York City	A. Blaustein	193	1,923	1,816	141,624	1	4	4[p]	104
New York Hospital [1-3]	New York City	J. G. Kidd-J. Pearce	429	8,184	7,426	437,427	1	5	4[p]	84
New York Polyclinic Medical School and Hospital [1-3]	New York City	D. J. Di Maio	95	8,896	8,896	1,009	1	2	2[p]	...
New York University-Bellevue Medical Center										
University Hospital [1-3]	New York City	M. Richter	87	6,194	5,154	618,050	2	4	2[p]	85
Presbyterian Hospital [1]	New York City	H. P. Smith	586	14,358	14,214	401,793	5	8	3[a]	208
Roosevelt Hospital [1-3]	New York City	W. W. Brandes	148	4,753	16,178	150,353	1	2	2[a]	116
St. Barnabas Hospital for Chronic Diseases [1-3]	New York City	H. K. Russell	155	1,214	1,214	70,748	1	2	2[p]	200
St. Clare's Hospital [1-3]	New York City	J. M. Ravid	118	2,525	2,510	83,113	1	2	1[p]	125
St. Luke's Hospital [1-3]	New York City	C. F. Begg	202	3,404	3,404	178,176	1	4	4[p]	75
St. Vincent's Hospital [1-3]	New York City	A. Rottino	360	3,632	3,632	250,356	1	2	2[a]	100
United Hospital [1-3]	Port Chester, N. Y.	M. Loder	87	2,598	2,340	91,784	1	1	1[p]	200
Genesee Hospital [3]	Rochester, N. Y.	J. Abbott	210	4,040	4,000	140,163	1	1	3[a]	75
Rochester General Hospital [1-3]	Rochester, N. Y.	M. G. Bohrod	291	7,221	5,490	137,588	3	9	4[p]	100
St. Mary's Hospital [1-3]	Rochester, N. Y.	J. Adler	227	3,691	3,691	115,725	1	3	4[p]	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	G. H. Whipple	684	5,319	.....	.....	4	8	3[a]	...
Ellis Hospital [1-3]	Schnectady, N. Y.	E. Kellert	183	5,004	5,004	232,255	1	3	3[p]	175
Staten Island Hospital [1-3]	Staten Island, N. Y.	V. Altman	100	1,823	1,823	61,222	1	1	1[a]	200
St. Joseph's Hospital [1-3]	Syracuse, N. Y.	H. J. Dick	124	3,862	3,862	120,751	1	1	4[p]	191
State University of New York Medical Center [1-3]	Syracuse, N. Y.	J. H. Ferguson	636	8,804	8,804	.....	6	6	3[a]	192
Samaritan Hospital [1-3]	Troy, N. Y.	C. G. Burn	73	2,509	1,768	62,911	1	1	1[p]	250
Utica State Hospital [1-3]	Utica, N. Y.	N. M. Levine	137	95	95	83,781	1	2	4[p]	...
Grasslands Hospital [1-3]	Valhalla, N. Y.	V. A. Bradess	610	2,726	2,726	223,081	1	3	4[p]	175
St. John's Riverside Hospital [3]	Yonkers, N. Y.	C. De Angelis	76	1,622	1,600	64,196	1	1	1[p]	250
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	K. M. Brinkhous	160	2,318	4,726	4,726	2	6	4[p]	145
Charlotte Memorial Hospital [1]	Charlotte, N. C.	P. Kimmelstiel	176	7,197	7,038	194,489	1	4	4[p]	250
Duke University Hospital [1-3]	Durham, N. C.	W. D. Forbus	340	8,405	8,405	527,278	3	12	3[a]	50
Watts Hospital [1-3]	Durham, N. C.	J. U. Gunter	68	.....	.....	145,131	..	1	2[a]	100
North Carolina Baptist Hospital [1-3]	Winston-Salem, N. C.	R. P. Morehead	177	30,692	30,692	264,877	4	7	4[p]	125
Akron General Hospital [1-3]	Akron, Ohio	G. R. Dochat	175	5,228	4,420	190,397	1	1	2[p]	250
City Hospital [1-3]	Akron, Ohio	L. Catron	320	7,597	7,597	250,834	1	3	2[a]	250
Aultman Hospital [1-3]	Canton, Ohio	D. G. Henderson	259	9,602	9,602	190,096	3	3	4[p]	275
Bethesda Hospital	Cincinnati	J. B. Hamblet	104	4,495	3,444	81,726	2	4	3[p]	200
Christ Hospital [1]	Cincinnati	P. N. Jolly	173	4,902	4,086	150,861	1	1	1[a]	200
Cincinnati General Hospital [1-3]	Cincinnati	E. A. Gall	1,039	6,009	6,009	135,152	4	7	4[p]	84
Good Samaritan Hospital [1-3]	Cincinnati	W. T. Collins	231	5,345	4,844	176,968	1	2	3[a]	175
Jewish Hospital [1-3]	Cincinnati	P. Wasserman	363	6,407	5,922	217,589	1	4	4[p]	145
City Hospital [1-3]	Cleveland	T. D. Kinney	366	2,351	2,351	293,390	2	8	4[p]	150
Cleveland Clinic Hospital [1-3]	Cleveland	J. B. Hazard	167	7,442	7,442	460,042	1	4	4[p]	175

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Lutheran Hospital [1-3]	Cleveland	W. Sinclair, Jr.	141	2,724	2,724	72,652	1	1	1[a]	162
Mount Sinai Hospital [1]	Cleveland	H. Goldblatt	498	5,474	5,474	208,634	1	4	4[p]	215
St. Luke's Hospital [1]	Cleveland	R. Dominguez	247	5,771	5,443	234,518	1	4	4[p]	120
St. Vincent Charity Hospital [1-3]	Cleveland	J. S. Mackrell, Jr.	127	3,829	5,250	144,177	2	2	2[a]	210
University Hospitals [1-3]	Cleveland	A. R. Moritz	499	8,401	8,401	120,322	3	7	4[p]	125
Children's Hospital [1]	Columbus, Ohio	E. Von Haam	146	794	794	68,816	2	2	2[p]	200
Grant Hospital [1-3]	Columbus, Ohio	B. H. Hurd	94	4,167	2,972	74,199	1	1	1[a]	...
Ohio State University Hospitals University Hospital [1-3]	Columbus, Ohio	E. Von Haam	757	10,258	10,258	496,005	3	10	4[p]	150
White Cross Hospital [1-3]	Columbus, Ohio	R. J. Johansmann	134	15,694	15,463	185,993	1	4	4[p]	275
Miami Valley Hospital [1-3]	Dayton, Ohio	M. Oosting	532	10,391	10,391	200,925	1	3	4[p]	160
Huron Road Hospital [1-3]	East Cleveland, Ohio	E. Goodsitt	163	5,240	5,240	187,022	1	3	4[p]	210
Mercy Hospital [1-3]	Hamilton, Ohio	K. E. Lande	151	1,610	1,610	104,112	1	1	1[a]	250
St. Rita's Hospital [1-3]	Lima, Ohio	C. L. Blumstein	160	4,158	3,188	121,058	1	4	4[p]	225
Mercy Hospital [1-3]	Toledo, Ohio	E. L. Burns	153	.....	.....	139,189	1	3	4[p]	250
St. Vincent's Hospital [1-3]	Toledo, Ohio	M. F. Vidoli	209	5,581	5,581	166,026	1	1	2[a]	225
Toledo Hospital [1-3]	Toledo, Ohio	B. Steinberg	191	5,039	4,752	131,426	1	3	4[p]	200
St. Elizabeth Hospital [1-3]	Youngstown, Ohio	J. Lo Cricchio	149	6,669	5,346	123,375	1	1	4[p]	300
Youngstown Hospital [1-3]	Youngstown, Ohio	A. E. Rappoport	446	6,535	6,535	231,177	2	8	4[p]	175
University Hospital [1-3]	Oklahoma City	H. C. Hopps	219	3,692	3,332	197,762	2	5	4[p]	200
Hillcrest Medical Center [1]	Tulsa, Okla.	L. Lowbeer	154	5,351	4,051	112,066	2	4	4[p]	...
St. John's Hospital [1-3]	Tulsa, Okla.	E. Palik	118	5,317	5,317	165,426	2	2	4[p]	...
Emanuel Hospital [1-3]	Portland, Ore.	V. D. Sneeden	240	6,428	5,636	169,940	1	1	1[a]	175
Good Samaritan Hospital [1-3]	Portland, Ore.	W. L. Lehman	321	6,696	5,789	219,617	2	6	4[p]	250
Providence Hospital [1-3]	Portland, Ore.	J. Minckler	270	3,862	3,574	136,892	1	4	4[p]	175
St. Vincent's Hospital [1-3]	Portland, Ore.	F. R. Menne	204	10,264	9,049	216,550	1	4	4[p]	175
Univ. of Oregon Med. School Hospitals and Clinics [1-3]	Portland, Ore.	W. C. Hunter-R. Grondahl	405	3,259	3,259	218,600	5	9	4[p]	...
Abington Memorial Hospital [1-3]	Abington, Pa.	J. Elman	169	3,955	3,919	225,338	1	3	4[p]	100
Allentown Hospital [1-3]	Allentown, Pa.	L. Thomas	280	3,798	3,434	192,221	1	2	4[p]	225
Sacred Heart Hospital [1-3]	Allentown, Pa.	D. E. Stader	129	5,773	5,356	148,500	1	2	2[a]	225
St. Luke's Hospital [1-3]	Bethlehem, Pa.	E. J. Benz	179	3,109	2,798	111,431	1	2	4[p]	275
Bryn Mawr Hospital [1-3]	Bryn Mawr, Pa.	M. M. Strumia	184	4,745	4,555	219,905	1	4	4[p]	100
Chester Hospital [1-3]	Chester, Pa.	G. B. Sickel	150	3,000	3,000	100,000	1	1	1[p]	50
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	T. K. Hepler	118	2,774	2,700	122,957	1	2	4[p]	125
Thomas M. Fitzgerald Mercy Hospital [1-3]	Darby, Pa.	A. Valdes-Dapena-M. M. Porter	105	1,939	1,939	99,458	2	6	3[p]	200
Hamot Hospital [1-3]	Erie, Pa.	E. L. Armstrong	181	2,486	2,486	177,647	1	4	4[p]	200
St. Vincent's Hospital [1-3]	Erie, Pa.	R. B. Eisenberg	128	2,620	.....	154,821	1	4	4[p]	100
Harrisburg Polyclinic Hospital [1]	Harrisburg, Pa.	J. S. Forrester	167	.....	.....	173,200	1	1	2[a]	250
Lancaster General Hospital	Lancaster, Pa.	W. M. O'Donnell	206	3,735	3,735	152,768	2	4	2[a]	200
St. Joseph's Hospital [1-3]	Lancaster, Pa.	E. E. Ziegler	134	5,486	5,486	93,147	1	2	2[a]	300
Albert Einstein Medical Center-Northern Division [1-3]	Philadelphia	H. Brody	243	4,643	4,643	224,479	2	4	2[p]	150
Albert Einstein Medical Center-Southern Division [1-3]	Philadelphia	A. I. Rubenstone	125	4,229	911	158,059	4	4	4[p]	150
Episcopal Hospital [1-3]	Philadelphia	W. P. Belk	178	2,495	2,495	169,278	1	1	4[p]	150
Frankford Hospital [1-3]	Philadelphia	L. Rauer	129	1,838	1,838	50,438	1	1	2[a]	250
Germantown Dispensary and Hospital [1-3]	Philadelphia	F. B. Lynch, Jr.	206	3,032	2,425	99,376	1	2	4[p]	150
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	A. Valdes-Dapena	113	3,790	3,790	185,445	1	2	3[p]	100
Hahnemann Medical College and Hospital [3]	Philadelphia	C. G. Tedeschi	300	6,341	6,341	171,133	2	6	4[p]	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	R. Horn-R. Norris	358	9,560	9,560	182,048	3	12	4[p]	150
Hospital of the Woman's Med. Col. of Pennsylvania [1-3]	Philadelphia	M. A. Geiss	88	1,385	1,370	1,385	1	2	3[p]	200
Jefferson Medical College Hospital [1-3]	Philadelphia	P. A. Herbut	305	8,363	8,363	298,816	4	10	4[p]	150
Lankenau Hospital [1-3]	Philadelphia	C. E. Brown	123	12,700	12,700	128,095	1	2	4[p]	100
Pennsylvania Hospital [1-3]	Philadelphia	A. R. Crane	196	7,086	17,915	351,571	4	4	4[p]	100
Philadelphia General Hospital [1-3]	Philadelphia	J. H. Clark	905	5,184	6,312	498,657	2	5	4[p]	113
Presbyterian Hospital [1-3]	Philadelphia	R. P. Custer	159	3,269	3,269	133,288	2	7	4[p]	100
Temple University Hospital [1-3]	Philadelphia	E. E. Aegerter	294	7,669	29,462	496,159	2	8	4[p]	...
Allegheny General Hospital [1]	Pittsburgh	R. C. Grauer	189	3,829	3,829	176,852	3	3	4[p]	250
Children's Hospital [1-3]	Pittsburgh	G. H. Fetterman	180	647	641	110,385	1	2	1[p]	200
Mercy Hospital [1-3]	Pittsburgh	H. H. Permar	196	6,016	5,715	125,914	2	8	4[p]	175
Montefiore Hospital [1-3]	Pittsburgh	K. Yardumian	152	4,474	3,877	135,112	3	3	3[p]	250
Presbyterian Hospital [1-3]	Pittsburgh	T. J. Moran	171	4,844	4,605	122,988	2	7	3	125
St. Francis General Hosp. and Rehabilitation Institute [1-3]	Pittsburgh	R. C. Hamilton	194	2,587	2,564	187,472	1	3	4[p]	200
St. Margaret Memorial Hospital [1]	Pittsburgh	J. E. Kurtz	51	1,652	1,652	65,786	1	1	1[p]	200
Shadyside Hospital	Pittsburgh	.....	...	.....	.....	.....	..	..	2[a]	...
South Side Hospital	Pittsburgh	.....	...	.....	.....	.....	..	..	2[a]	...
Western Pennsylvania Hospital [1-3]	Pittsburgh	R. G. McManus	219	6,473	6,113	147,002	4	4	3[p]	225
Community General Hospital [1-3]	Reading, Pa.	H. S. Cook	112	2,802	2,809	60,874	1	1	1[a]	300
Reading Hospital [1-3]	Reading, Pa.	W. P. Jennings	238	3,583	3,551	154,656	1	2	4[p]	225
St. Joseph's Hospital [1-3]	Reading, Pa.	G. Des Jardins	188	2,885	2,037	129,675	1	4	4[p]	250
Robert Packer Hospital [1-3]	Sayre, Pa.	C. De Wan	165	4,056	3,856	155,716	1	2	4[p]	150
Scranton State Hospital [1-3]	Scranton, Pa.	G. A. Clark	112	2,712	1,979	104,590	1	1	2[p]	266
Wilkes-Barre General Hospital [1-3]	Wilkes-Barre, Pa.	C. E. Rodriguez	123	3,118	3,118	117,880	1	2	2[a]	225
Williamsport Hospital [1-3]	Williamsport, Pa.	M. G. Colvin	124	4,710	6,850	274,058	1	3	3[p]	200
York Hospital	York, Pa.	J. M. Smith-L. C. Pusch	165	3,112	3,112	124,357	1	2	4[p]	225
Rhode Island Hospital [1-3]	Providence, R. I.	H. Fanger	373	6,494	6,494	233,847	3	6	4[p]	100
Roper Hospital [1-3]	Charleston, S. C.	K. M. Lynch	274	4,916	3,509	228,783	4	12	4[p]	...
Greenville General Hospital [1-3]	Greenville, S. C.	E. A. Dreskin	228	5,998	5,944	170,144	1	3	3[p]	125
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	J. W. Adams, Jr.	159	10,319	10,305	243,100	2	3	2[c]	125
East Tennessee Baptist Hospital	Knoxville, Tenn.	J. B. Roberts	111	4,714	4,714	95,544	1	2	2[p]	300
St. Mary's Memorial Hospital [1-3]	Knoxville, Tenn.	G. S. Mahon	90	4,406	4,400	79,433	1	3	2[p]	300
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	M. L. Trumbull	227	10,404	9,059	217,026	1	4	4[p]	200
John Gaston Hospital [1-3]	Memphis, Tenn.	D. H. Sprunt	678	5,497	5,497	167,176	2	12	4[p]	75
Methodist Hospital	Memphis, Tenn.	W. W. Tribby	84	8,195	7,127	165,626	3	3	2[p]	100
St. Joseph Hospital [1-3]	Memphis, Tenn.	W. W. Hurteau	149	4,402	4,177	144,276	1	3	2[a]	100
George W. Hubbard Hospital of Meharry Medical College [1-3]	Nashville, Tenn.	J. R. Cuff	153	1,565	1,565	1,565	2	2	2[a]	125
Nashville General Hospital [1-3]	Nashville, Tenn.	W. A. De Monbreun	92	18,181	1,735	120,147	2	4	2[p]	175
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	E. W. Goodpasture	193	2,737	2,683	200,000	2	5	3[a]	50
Brackenridge Hospital [1-3]	Austin, Texas	S. W. Bohls	102	2,279	1,898	52,886	1	1	2[a]	200
Baylor University Hospital [1-3]	Dallas, Texas	J. M. Hill	297	12,399	12,399	273,478	1	4	4[p]	125
Methodist Hospital [1-3]	Dallas, Texas	A. B. Cairns	87	5,586	4,184	91,723	..	1	1[p]	250
Parkland Memorial Hospital [1-3]	Dallas, Texas	E. E. Muirhead	402	8,109	8,890	364,394	..	3	4[p]	50
St. Paul's Hospital [1-3]	Dallas, Texas	J. L. Goforth	288	9,913	7,328	202,450	4	12	4[p]	125
Harris Hospital [1-3]	Fort Worth, Texas	C. Ashworth-C. Fitzwilliam	97	11,705	10,804	170,998	1	4	4[p]	300
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	P. Brindley	374	5,520	5,231	215,147	2	3	4[p]	...

Numerical and other references will be found on page 363.

17. PATHOLOGY—Continued

Name of Hospital	Location	Chief of Service	Number of Autopsies	Number of Surgical Specimens	Number Examined Microscopically	Total Number of Laboratory Examinations	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
NONFEDERAL										
Baylor University College of Medicine Affiliated Hospitals										
Jefferson Davis Hospital [1-3]	Houston, Texas	S. A. Wallace	479	3,902	3,800	320,416	1	5	4[P]	...
Methodist Hospital [1-3]	Houston, Texas	S. A. Wallace	163	62,178	5,366	177,262	1	4	4[P]	220
Veterans Admin. Hospital [3]	Houston, Texas	B. Halpert	352	2,316	2,276	399,508	1	4	4[P]	...
Hermann Hospital [1]	Houston, Texas	W. G. Brown	261	8,016	8,006	284,829	1	4	4[P]	100
St. Joseph's Hospital [1]	Houston, Texas	P. M. Marcuse	179	6,506	5,432	191,940	1	4	4[P]	225
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	W. O. Russell	72	3,312	3,312	79,474	2	14	4[P]	150
Baptist Memorial Hospital [1-3]	San Antonio, Texas	A. O. Severance	118	4,832	4,553	160,922	1	4	4[P]	200
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	L. J. Manhoff, Jr.	170	3,416	1,534	92,087	2	2	3[P]	150
Santa Rosa Hospital [3]	San Antonio, Texas	J. M. Moore	258	4,181	3,736	151,254	1	3	3[P]	200
St. Benedict's Hospital [1-3]	Ogden, Utah	R. C. Ellis	79	.....	.....	53,482	1	1	1[P]	200
Thomas D. Dee Memorial Hospital [1-3]	Ogden, Utah	E. D. Zeman	102	10,509	5,441	96,601	..	..	2[P]	...
Dr. W. H. Groves Latter Day Saints Hospital [1-3]	Salt Lake City	J. H. Carlquist-F. Gunn	180	6,509	4,165	101,716	1	2	1[P]	200
Holy Cross Hospital [1-3]	Salt Lake City	C. McNeil	99	4,409	3,194	91,807	1	2	1[P]	175
Salt Lake County General Hospital [1-3]	Salt Lake City	R. H. Follis, Jr.	224	1,797	1,728	64,908	4	8	4[P]	125
Bishop De Goesbriand Hospital [1-3]	Burlington, Vt.	E. Stark	63	1,738	1,738	42,987	1	2	1[P]	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	E. Woll	156	2,682	1,833	65,322	2	6	2[P]	100
University of Virginia Hospital [1-3]	Charlottesville, Va.	O. B. Bobbitt-J. R. Cash	268	10,339	.....	227,100	1	6	4[P]	150
Memorial Hospital [1-3]	Danville, Va.	J. W. Hooker	112	3,380	3,380	69,490	1	3	3[P]	...
Lynchburg General Hospital [1-3]	Lynchburg, Va.	S. M. Bouton, Jr.	62	2,141	1,459	45,065	..	..	1[P]	150
Riverside Hospital [1-3]	Newport News, Va.	C. L. Sinclair	91	2,641	2,641	62,071	1	1	1[a]	250
De Paul Hospital [1-3]	Norfolk, Va.	A. F. Strauss	203	6,324	6,194	177,912	1	2	4[P]	200
Norfolk General Hospital [1-3]	Norfolk, Va.	A. J. Rawson	252	13,238	7,967	156,563	1	4	4[P]	250
Medical College of Virginia—Hospital Division [1-3]	Richmond, Va.	F. L. Apperly-H. G. Kupfer	454	9,320	9,320	515,267	..	8	4[P]	75
Doctors Hospital [1-3]	Seattle	G. E. Tooley	144	4,811	3,564	61,930	1	1	2[a]	125
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	C. R. Jensen	615	31,151	2,828	252,790	1	1	4[P]	110
Providence Hospital [1]	Seattle	D. G. Mason	211	5,225	3,997	120,506	1	2	2[a]	200
Swedish Hospital [1-3]	Seattle	P. Lund	206	6,390	6,221	166,829	1	4	4[P]	100
Deaconess Hospital	Spokane, Wash.	J. D. MacCarthy	184	6,141	5,034	98,359	1	4	3[a]	250
St. Luke's Hospital [1-3]	Spokane, Wash.	O. O. Christianson	103	4,281	4,281	119,202	1	1	3[P]	150
St. Joseph's Hospital [1-3]	Tacoma, Wash.	C. R. McColl-R. T. Vimont	132	4,267	4,184	77,766	2	4	3[a]	200
Tacoma General Hospital [1-3]	Tacoma, Wash.	C. P. Larson	342	.....	.....	88,078	1	2	3[P]	150
Charleston General Hospital [1-3]	Charleston, W. Va.	W. Putschar	96	2,254	2,254	66,879	1	1	4[P]	175
St. Mary's Hospital	Clarksburg, W. Va.	H. Fischer	125	3,000	2,500	120,000	1	1	2[P]	200
St. Mary's Hospital [1-3]	Huntington, W. Va.	S. Werthammer	134	4,266	4,266	176,995	..	..	2[a]	150
Ohio Valley General Hospital [1-3]	Wheeling, W. Va.	H. G. Little	123	4,894	4,879	63,296	1	3	3[P]	300
Madison General Hospital [1-3]	Madison, Wis.	L. E. McGary	145	4,465	4,465	96,960	1	2	4[P]	150
University Hospitals [1]	Madison, Wis.	M. D. Angevine	323	4,744	4,677	196,316	1	4	4[P]	50
Columbia Hospital [1-3]	Milwaukee	G. Ritchie	123	2,457	4,317	51,761	1	4	4[P]	195
Milwaukee County Hospital [1-3]	Milwaukee	J. Lunseth	504	3,578	3,473	311,441	2	8	4[P]	209
Milwaukee Hospital [1-3]	Milwaukee	E. A. Birge	161	5,810	4,867	129,565	2	2	3[P]	195
St. Joseph's Hospital [1-3]	Milwaukee	C. H. Altshuler	242	4,512	3,605	142,775	1	4	4[P]	200
St. Luke's Hospital [1-3]	Milwaukee	B. E. Clarke	186	3,759	3,759	117,587	1	4	4[P]	275
St. Mary's Hospital [1-3]	Milwaukee	S. B. Pessin	144	4,433	2,632	82,813	..	1	4[P]	225
Gorgas Hospital	Ancon, C. Z.	F. E. Council	369	2,350	2,287	339,129	1	4	4[P]	345
Queen's Hospital [1-3]	Honolulu, T. H.	W. H. Civin	166	5,208	4,599	144,670	1	4	4[P]	125
Bayamon District Hospital [1-3]	Bayamon, P. R.	G. Polanco	336	.....	.....	.....	1	1	2[a]	250
San Juan City Hospital [1-3]	San Juan, P. R.	E. Koppisch	103	1,798	1,798	234,719	1	3	3[a]	150

18. PEDIATRICS

The following services have been approved by the Council and the American Board of Pediatrics, through the Residency Review Committee for Pediatrics, as offering acceptable training in the specialty.

Hospitals, 255; Assistant Residencies and Residencies, 1,473

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	W. M. Edwards	648	.....	2	3	2	...
Fitzsimons Army Hospital [1]	Denver	M. E. Steinhelmer	679	11	..	..	2	...
Army Medical Center [1-3]	Washington, D. C.	O. C. Bruton	161	2	2	4	2	...
Brooke Army Hospital [1-3]	San Antonio, Texas	J. P. Fairchild	831	39	3	5	2	...
UNITED STATES NAVY								
U. S. Naval Hospital [1]	Oakland, Calif.	D. W. Sherwood	1,196	14	..	..	2	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	T. E. Cone	561	13	2	4	2	...
U. S. Naval Hospital [1]	Chelsea, Mass.	M. Kurzrok	826	9	1	2	2	...
U. S. Naval Hospital [1]	Philadelphia	S. J. Winter	316	5	..	..	2	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	R. B. Scott	521	10	3	6	2	...
NONFEDERAL								
Children's Hospital [1-3]	Birmingham, Ala.	J. W. Simpson	2,785	42	1	2	2	100
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	K. Hare	2,408	31	5	8	2	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	G. C. McCullough	1,247	4	2	4	1	225
City Hospital	Mobile, Ala.	J. Baumhauer	881	26	1	1	1	225
Maricopa County General Hospital [1-3]	Phoenix, Ariz.	C. A. Holmes	995	58	1	1	2	300
University Hospital [1-3]	Little Rock, Ark.	K. Dodd	2,565	91	4	6	2	145
Kern General Hospital [1]	Bakersfield, Calif.	J. Almklov	1,387	28	2	6	2	325
San Joaquin General Hospital [1-3]	French Camp, Calif.	W. T. Auld	786	29	1	1	1	235
General Hospital of Fresno County [1]	Fresno, Calif.	E. M. Moss	1,200	37	3	6	1	300
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	S. S. Woolington	1,427	18	1	1	1	150
California Babies and Children's Hospital [1-3]	Los Angeles	T. Birnberg	344	10	1	2	2	150

Numerical and other references will be found on page 363.

18. PEDIATRICS—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Children's Hospital [1-3]	Los Angeles	M. J. Carson	8,451	211	10	22	2	40
Los Angeles County General Hospital [1]	Los Angeles	A. H. Hurd	4,836	72	5	11	2	200
Queen of Angeles Hospital [1-3]	Los Angeles	D. Goldstein	1,624	2	1	2	2	150
University of California Medical Center [1-3]	Los Angeles	J. M. Adams	46	..	4	10	2	189
White Memorial Hospital [1-3]	Los Angeles	J. A. Garrisi	658	13	2	4	2	146
Children's Hospital of the East Bay [1-3]	Oakland, Calif.	H. T. Norman	7,200	91	6	12	2	170
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	M. H. Schwartz	1,146	21	3	4	2	195
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	A. King	757	5	6	6	1	175
San Diego County General Hospital [1-3]	San Diego, Calif.	F. H. Fehlmann	972	..	1	2	1	150
Children's Hospital [1-3]	San Francisco	H. E. Thelander	2,385	9	3	5	2	125
Mount Zion Hospital [1-3]	San Francisco	S. J Robinson	1,247	2	..	1	1	...
St. Mary's Hospital [1-3]	San Francisco	R. Flood	1,956	5	1	2	2	150
Stanford University Hospitals								
San Francisco Hospital	San Francisco	E. H. Senz	.....	..	3	3	2	175
University Hospital [1-3]	San Francisco	J. A. Anderson	584	18	3	7	2	80
University of California Hospitals								
San Francisco Hospital [3]	San Francisco	M. B. Olney	692	25	2	2	2	175
University Hospital [1-3]	San Francisco	W. C. Deamer	597	33	3	7	2	87
Santa Clara County Hospital [1]	San Jose, Calif.	A. B. Williams	409	17	..	2	2	...
St. John's Hospital	Santa Monica, Calif.	A. B. Polson	1,627	..	1	1	2	175
Harbor General Hospital [1-3]	Torrance, Calif.	A. J. Moss	1,466	24	3	6	2	200
Children's Hospital [1-3]	Denver	F. H. Reynolds	5,852	85	6	10	2	150
University of Colorado Medical Center								
Colorado General Hospital [1-3]	Denver	R. H. Alway	484	35	8	14	2	150
Denver General Hospital [1-3]	Denver	M. Ginsburg	1,183	29	..	..	2	...
Hartford Hospital [1-3]	Hartford, Conn.	J. B. Griggs	945	15	1	2	2	50
St. Francis Hospital	Hartford, Conn.	T. F. Murphy	1,009	8	2	3	2	100
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	M. J E. Senn	4,948	99	6	10	2	50
Hospital of St. Raphael [3]	New Haven, Conn.	P. McAlenney	2,265	..	1	2	2	125
Waterbury Hospital [1]	Waterbury, Conn.	A. S. Brown	2,488	12	1	2	1	225
Delaware Hospital [1-3]	Wilmington, Del.	R. O. Y. Warren	1,021	38	2	4	2	180
Children's Hospital [1-3]	Washington, D. C.	W. F. Burdick	2,616	17	13	20	2	50
District of Columbia General Hospital [1-3]	Washington, D. C.	L. Hoeck	1,872	44	5	10	2	143
Georgetown University Hospital [3]	Washington, D. C.	F. G. Burke	981	14	2	5	2	20
Providence Hospital [1-3]	Washington, D. C.	G. Maksim	1,514	10	2	2	1	200
Duval Medical Center [1-3]	Jacksonville, Fla.	J. K. David, Jr.	895	22	2	3	1	150
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	H. Carithers	2,382	19	1	2	1	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	R. B. Lawson	1,655	41	4	7	2	75
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	J. H. Patterson	1,246	33	5	6	2	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	J. Yampolsky	2,826	9	2	4	2	290
Grady Memorial Hospital [1-3]	Atlanta, Ga.	R. W. Blumberg	967	41	4	10	2	20
Henrietta Egleston Hospital for Children [1-3]	Atlanta, Ga.	M. H. Roberts	1,123	15	2	3	2	150
University Hospital [1-3]	Augusta, Ga.	H. B. O'Rear	1,675	34	2	5	2	160
Children's Memorial Hospital [1-3]	Chicago	J. A. Bigler	5,260	86	11	15	2	75
Cook County Hospital [1-3]	Chicago	A. Levinson	7,345	414	15	15	2	...
Illinois Masonic Hospital [1-3]	Chicago	M. R. Jackson	1,743	1	2	2	1	115
Mercy Hospital [1-3]	Chicago	H. W. Elghammer	1,524	20	4	8	2	125
Michael Reese Hospital [1-3]	Chicago	B. Kagan	1,545	151	5	9	2	75
Mount Sinai Hospital [1-3]	Chicago	I. M. Levin	872	19	1	2	2	100
Presbyterian Hospital [1]	Chicago	B. M. Gasul	1,088	37	1	2	2	125
Provident Hospital [1-3]	Chicago	R. N. Jefferson	959	5	1	2	2	200
St. Joseph Hospital [1-3]	Chicago	H. Jacobs	1,293	7	1	1	1	200
St. Luke's Hospital [1-3]	Chicago	A. D. Biggs	1,348	11	1	2	2	50
University of Chicago Clinics [1-3]	Chicago	F. H. Wright	1,081	35	6	14	2	175
University of Illinois Research and Educational Hospitals [1]	Chicago	H. N. Sanford	538	46	4	9	2	...
Evanston Hospital [1-3]	Evanston, Ill.	A. L. Newcomb	1,458	10	1	1	1	...
St. Francis Hospital [1-3]	Evanston, Ill.	N. G. Shaw	855	15	1	2	1	175
Little Company of Mary Hospital [1-3]	Evergreen Park, Ill.	E. G. Lawler	3,664	17	2	4	2	150
West Suburban Hospital [3]	Oak Park, Ill.	C. D. Butler	2,099	15	1	1	1	225
St. Francis Hospital [1-3]	Peoria, Ill.	J. R. Vonachen	1,546	33	1	2	2	...
Indianapolis General Hospital [1-3]	Indianapolis	I. Rosenbaum	614	11	2	4	2	165
Indiana University Medical Center [1]	Indianapolis	L. T. Melk	1,968	102	5	11	2	165
St. Vincent's Hospital [1-3]	Indianapolis	W. Brown	796	30	2	3	1	275
Raymond Blank Memorial Hospital for Children [1-3]	Des Moines, Iowa	L. F. Hill	4,057	9	5	8	2	150
University Hospitals [1-3]	Iowa City	C. D. May	1,457	57	4	8	2	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	H. Miller	1,254	60	4	8	2	125
St. Joseph Infirmary [1-3]	Louisville, Ky.	H. Andrews	2,647	22	2	4	2	185
University of Louisville Hospitals								
Children's Hospital [1-3]	Louisville, Ky.	A. J. Steigman	3,054	91	4	13	2	83.35
Louisville General Hospital [1-3]	Louisville, Ky.	A. J. Steigman	743	16	11	24	2	83
Charity Hospital of Louisiana								
Independent Unit	New Orleans	W. C. Rivenbark	942	24	3	6	2	100
Louisiana State University Unit [1]	New Orleans	E. Kaplan	1,681	45	7	14	2	100
Tulane University Unit [1]	New Orleans	R. V. Platou	1,823	41	7	14	2	100
Hotel Dieu-Sisters Hospital [1]	New Orleans	R. Aleman	2,230	9	2	4	1	225
Southern Baptist Hospital [1]	New Orleans	J. L. Treadway, Jr.	2,020	28	1	2	1	225
Confederate Memorial Medical Center [1]	Shreveport, La.	C. H. Webb	2,498	30	3	4	2	125
Central Maine General Hospital [1]	Lewiston, Maine	H. C. Thacher	1,141	12	..	1	1	150
Baltimore City Hospitals [1-3]	Baltimore	H. E. Harrison	983	61	4	6	2	75
Johns Hopkins Hospital [1-3]	Baltimore	L. Wilkins	1,858	109	..	11	2	20
Mercy Hospital [1-3]	Baltimore	F. B. Smith	532	4	1	2	2	275
Sinai Hospital [1-3]	Baltimore	H. H. Gordon	802	17	3	7	2	110
Union Memorial Hospital [1-3]	Baltimore	C. O'Donovan	704	9	2	3	1	115
University Hospital [1-3]	Baltimore	J. E. Bradley	865	37	3	8	2	50
Boston City Hospital [1-3]	Boston	E. Friedman	4,617	68	9	12	2	112
Boston Floating Hospital	Boston	J. M. Baty	2,018	52	2	9	2	50
Children's Medical Center [1-3]	Boston	C. A. Janeway	3,069	..	..	23	2	50
Massachusetts General Hospital [1-3]	Boston	A. M. Butler	1,092	23	5	6	2	66.67
Worcester City Hospital [3]	Worcester, Mass.	J. J. Cohen	976	6	2	2	2	215
University Hospital [1-3]	Ann Arbor, Mich.	J. L. Wilson	1,937	103	10	23	2	145
Children's Hospital [1-3]	Detroit	P. V. Woolley, Jr.	6,123	202	16	26	2	150
Harper Hospital [1-3]	Detroit	E. E. Martmer	1,938	27	2	4	2	225
Henry Ford Hospital [1-3]	Detroit	J. A. Johnston	1,621	18	5	11	2	225
Hurley Hospital [1-3]	Flint, Mich.	L. Jones	3,664	28	1	2	2	325
St. Mary's Hospital [1-3]	Grand Rapids, Mich.	C. Booher	2,168	14	1	2	1	200
Saginaw General Hospital [1-3]	Saginaw, Mich.	R. M. Heavenrich	1,826	45	1	2	2	325
Minneapolis General Hospital [1-3]	Minneapolis	R. B. Raile	1,325	20	3	4	2	182
Northwestern Hospital [1-3]	Minneapolis	N. Beach	1,622	12	1	2	1	200
University of Minnesota Hospitals [1-3]	Minneapolis	I. McQuarrie	1,924	99	9	15	2	162
Mayo Foundation [1-3]	Rochester, Minn.	R. L. J. Kennedy	3,397	9	10	26	2	150
Children's Mercy Hospital [1-3]	Kansas City, Mo.	J. M. Kantor	2,135	55	6	6	2	125

Numerical and other references will be found on page 363.

18. PEDIATRICS—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	G. V. Herrman	698	11	1	2	2	150
Homer G. Phillips Hospital [1-3]	St. Louis	P. J. White	2,103	32	6	14	2	190
Jewish Hospital [1-3]	St. Louis	M. Deutch	1,046	9	..	1	1	100
St. Louis Children's Hospital [1-3]	St. Louis	A. F. Hartmann	3,873	104	6	22	2	25
St. Louis City Hospital [1-3]	St. Louis	V. Peden	2,055	34	3	7	2	190
St. Mary's Group of Hospitals [1-3]	St. Louis	P. G. Danis	2,262	37	4	8	2	100
Creighton Memorial-St. Joseph's Hospital	Omaha	J. H. Murphy	1,923	14	2	4	2	175
Contagious Division of County Hospital								
Omaha Children's Hospital								
Riverview Home								
St. Joseph's Orphanage								
University of Nebraska Hospital [1-3]	Omaha	H. Jahr	516	14	1	2	2	...
Children's Memorial Hospital								
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	C. C. Stewart, III	877	21	2	2	1	188
Cooper Hospital [1-3]	Camden, N.J.	V. Del Duca	855	11	1	1	1	83
Jersey City Medical Center [1-3]	Jersey City, N. J.	C. P. De Fuccio	1,999	5	3	6	2	92
Babies Hospital-Coit Memorial [1-3]	Newark, N. J.	M. Gregory	3,870	37	..	3	2	150
Newark Beth Israel Hospital [1-3]	Newark, N. J.	A. Heyman	2,148	8	1	2	2	125
St. Michael's Hospital [1-3]	Newark, N. J.	H. A. Murray	3,041	17	4	7	2	125
St. Francis Hospital [1-3]	Trenton, N. J.	H. Davis	3,068	14	1	1	2	210
Albany Hospital [1-3]	Albany, N. Y.	P. Patterson	823	17	2	4	2	...
St. Peter's Hospital [3]	Albany, N. Y.	H. F. Leahy	1,480	5	1	2	1	225
Beth-El Hospital [1-3]	Brooklyn	B. Schick	282	19	3	4	2	125
Brooklyn Hospital [1-3]	Brooklyn	T. M. Lamb	484	..	1	3	2	...
Coney Island Hospital [1-3]	Brooklyn	S. Nussbaum	718	9	1	2	2	...
Cumberland Hospital [1-3]	Brooklyn	J. A. Monfort	1,026	15	3	4	2	...
Greenpoint Hospital [1-3]	Brooklyn	I. Schiff	632	40	2	3	1	105
Jewish Hospital [1-3]	Brooklyn	B. Kramer	1,227	23	5	10	2	75
Kings County Hospital								
University Service [1-3]	Brooklyn	R. L. Day	4,261	125	..	6	2	104
Long Island College Hospital [1-3]	Brooklyn	C. A. Weymuller	473	15	2	3	2	75
Maimonides Hospital [1-3]	Brooklyn	M. Palinsky-J. Rosenblum	495	9	..	3	2	75
Methodist Hospital [1-3]	Brooklyn	W. R. Coles	1,001	24	1	2	1	175
Norwegian Lutheran Deaconesses' Home and Hospital [1-3]	Brooklyn	J. A. Monfort	698	17	1	2	2	100
St. Catherine's Hospital [1-3]	Brooklyn	P. Lombard	538	4	1	2	2	125
St. John's Episcopal Hospital [1-3]	Brooklyn	B. H. Shulman	946	10	1	2	1	175
Wyckoff Heights Hospital [1-3]	Brooklyn	V. Larkin	315	2	3	6	1	100
Children's Hospital [1-3]	Buffalo	M. I. Rubin	2,979	103	..	15	2	125
Edward J. Meyer Memorial Hospital [1]	Buffalo	F. J. Gustina	1,950	25	2	3	2	179
Mary Imogene Bassett Hospital [1-3]	Cooperstown, N. Y.	T. C. Goodwin	356	9	1	1	1	145
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	H. T. Vogel	4,666	51	1	2	1	150
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	E. A. Stanchi	2,527	57	3	6	2	225
Mary Immaculate Hospital [1-3]	Jamaica, N. Y.	A. Trivilino	2,834	23	1	1	1	120
Queens Hospital Center [1-3]	Jamaica, N. Y.	H. A. Reisman	1,008	37	3	6	2	105
Bellevue Medical Center								
Division III—New York Univ. College of Medicine [1-3]	New York City	L. E. Holt, Jr.	1,328	84	10	17	2	71
Bronx Hospital [1-3]	New York City	J. H. Lapin	713	6	1	2	2	75
Flower and Fifth Avenue Hospitals [1-3]	New York City	L. B. Slobody	1,133	12	4	5	2	...
Fordham Hospital [1-3]	New York City	J. Golomb	632	14	2	3	2	105
Harlem Hospital [1-3]	New York City	H. J. Cohen	783	38	2	4	2	...
Lenox Hill Hospital [1-3]	New York City	A. F. Anderson	610	12	1	2	2	180
Lincoln Hospital [1-3]	New York City	H. S. Altman	1,457	20	2	5	2	71
Metropolitan Hospital [1-3]	New York City	L. B. Slobody	1,349	23	5	8	2	104
Misericordia Hospital [1-3]	New York City	F. Castrovinci	736	3	1	2	1	100
Morrisania City Hospital [1-3]	New York City	H. D. Pasachoff	737	32	2	4	2	105
Mount Sinai Hospital [1-3]	New York City	H. L. Hodes	2,279	84	2	9	2	50
New York City Hospital [1-3]	New York City	E. E. Amerman	1,473	16	2	3	2	104
New York Hospital [1-3]	New York City	S. Z. Levine	1,549	90	9	17	2	16
New York Infirmary [2-3]	New York City	B. Worcester	75	..	1	1	1	150
New York University-Bellevue Medical Center								
University Hospital [1-3]	New York City	A. De Sanctis	543	8	3	7	2	85
Presbyterian Hospital [1]	New York City	R. McIntosh	4,696	202	7	18	2	208
Roosevelt Hospital [1-3]	New York City	E. N. Joyner, III	540	5	2	4	2	116
St. Clare's Hospital [1-3]	New York City	C. H. O'Regan	692	22	1	2	2	125
St. Luke's Hospital [1-3]	New York City	F. C. Hunt	752	7	2	4	2	75
St. Vincent's Hospital [1-3]	New York City	A. J. Vignec	3,471	53	2	5	2	100
Sydenham Hospital [1-3]	New York City	E. Schiff	517	..	1	1	1	105
Genesee Hospital [3]	Rochester, N. Y.	J. Glaser	936	32	1	2	2	75
Rochester General Hospital [1-3]	Rochester, N. Y.	F. W. Bush	659	7	1	1	1	100
St. Mary's Hospital [1-3]	Rochester, N. Y.	H. Waffle	2,770	24	1	2	2	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	W. L. Bradford	14,420	54	4	12	2	...
St. Vincent's Hospital [1-3]	Staten Island, N. Y.	G. W. McCormick	1,307	6	1	1	1	150
Sea View Hospital [1-3]	Staten Island, N. Y.	B. Ratner	557	..	5	5	1	157
St. Joseph's Hospital [1-3]	Syracuse, N. Y.	G. Murdock	2,527	11	2	2	1	191
State University of New York Medical Center [1-3]	Syracuse, N. Y.	J. B. Richmond	7,100	56	7	11	2	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	D. A. Wilcox	485	12	1	3	2	175
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	E. C. Curnen	1,345	40	3	7	2	145
Charlotte Memorial Hospital [1]	Charlotte, N. C.	E. K. McLean	510	7	1	2	2	250
Duke University Hospital [1-3]	Durham, N. C.	W. C. Davison	1,111	45	6	8	2	42
Watts Hospital [1-3]	Durham, N. C.	A. H. London	635	3	..	1	2	100
Rex Hospital [1]	Raleigh, N. C.	C. R. Bugg	1,208	10	1	1	1	200
Babies Hospital [1-3]	Wilmington, N. C.	J. B. Sidbury, Sr.	121	6	2	2	2	200
City Memorial Hospital [1-3]	Winston-Salem, N. C.	K. Anderson	1,532	6	1	1	1	...
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	W. M. Kelsey	1,341	36	2	8	2	125
Children's Hospital [1-3]	Akron, Ohio	J. G. Kramer	3,265	52	9	11	2	250
University of Cincinnati Hospitals								
Children's Hospital [1]	Cincinnati	A. A. Weech	2,997	66	10	20	2	45
Cincinnati General Hospital [1-3]	Cincinnati	A. A. Weech	875	53	..	..	2	...
Good Samaritan Hospital [1-3]	Cincinnati	L. K. Felter	6,814	29	1	2	2	175
City Hospital [1-3]	Cleveland	F. C. Robbins	1,594	59	4	5	2	150
Cleveland Clinic Hospital [1-3]	Cleveland	R. D. Mercer	630	10	1	3	2	175
St. Luke's Hospital [1]	Cleveland	R. G. Hodges	972	16	1	2	2	120
University Hospitals [1-3]	Cleveland	W. Wallace	2,929	106	8	14	2	125
Children's Hospital [1]	Columbus, Ohio	E. H. Baxter	3,561	96	8	19	2	150
Mercy Hospital [1-3]	Toledo, Ohio	L. I. Clark	307	43	1	2	1	250
University Hospitals [1-3]	Oklahoma City	C. H. Hall	1,322	79	3	6	2	85
Hillcrest Medical Center [1]	Tulsa, Okla.	R. M. Wadsworth	2,982	17	1	2	2	...
St. John's Hospital [1-3]	Tulsa, Okla.	K. C. Reese	3,908	11	1	1	2	...
Univ. of Oregon Med. School Hospitals and Clinics [1-3]	Portland, Ore.	A. J. Hill, Jr.	767	84	3	6	2	85

Numerical and other references will be found on page 363.

18. PEDIATRICS—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Abington Memorial Hospital [1-8]	Abington, Pa.	T. S. Wilder	429	6	2	2	1	100
George F. Geisinger Memorial Hospital [1-8]	Danville, Pa.	E. F. Rabe	693	16	1	[2]	[2]	125
Harrisburg Polyclinic Hospital [1]	Harrisburg, Pa.	M. Ames	1,819	13	1	[2]	[2]	250
Albert Einstein Medical Center			.....	..	..	..	[2]	...
Northern Division [1-8]	Philadelphia	A. M. Dannenberg	1,317	5	[2]	4	..	150
Southern Division [1-8]	Philadelphia	M. Malen-P. Morris	254	3	1	1	..	150
Children's Hospital [1-8]	Philadelphia	J. Stokes, Jr.	5,722	50	9	21	2	100
Germantown Dispensary and Hospital [1-8]	Philadelphia	P. S. Barba	1,388	29	[2]	[2]	1	150
Graduate Hospital of the University of Pennsylvania [1-8]	Philadelphia	J. Ritter	473	5	[2]	[2]	1	...
Hahnemann Medical College and Hospital [8]	Philadelphia	C. C. Fischer	3,061	52	4	6	[2]	...
Hospital of the University of Pennsylvania [1-8]	Philadelphia	P. Gyorgy	519	33	[2]	7	[2]	...
Hospital of the Woman's Medical College of Pennsylvania [1-8]	Philadelphia	J. Crump	729	28	1	2	2	110
Jefferson Medical College Hospital [1-8]	Philadelphia	C. F. McKhann	788	13	4	5	2	...
Philadelphia General Hospital [1-8]	Philadelphia	N. H. Einhorn	1,735	74	3	6	[2]	113
St. Luke's and Children's Medical Center [1-8]	Philadelphia	H. A. Agerty	656	12	2	2	1	100
Temple University Hospitals								
St. Christopher's Hospital for Children [1-8]	Philadelphia	W. E. Nelson	3,746	..	11	27	2	50
Temple University Hospital [1-8]	Philadelphia	W. E. Nelson	.....	..	..	..	..	...
Allegheny General Hospital [1]	Pittsburgh	T. O. Elterich	580	23	2	2	1	200
Children's Hospital [1-8]	Pittsburgh	E. R. McCluskey	2,279	102	10	21	2	125
Western Pennsylvania Hospital [1-8]	Pittsburgh	H. C. Flood-F. A. Miller	1,953	10	1	1	1	225
Robert Packer Hospital [1-8]	Sayre, Pa.	D. Motsay	2,041	9	1	2	2	150
Charles V. Chapin Hospital [1-8]	Providence, R. I.	H. G. Calder	1,308	4	4	4	1	150
Rhode Island Hospital [1-8]	Providence, R. I.	R. M. Lord	1,341	15	2	4	2	100
Roper Hospital [1-8]	Charleston, S. C.	M. W. Beach	1,488	28	1	4	2	...
Columbia Hospital [1-8]	Columbia, S. C.	H. W. Moore	4,115	28	1	2	2	175
T. C. Thompson Children's Hospital [1-8]	Chattanooga, Tenn.	S. Smith	3,222	20	3	4	1	150
John Gaston Hospital [1-8]	Memphis, Tenn.	F. T. Mitchell	2,181	58	5	12	2	35
Le Bonheur Childrens Hospital [1-8]	Memphis, Tenn.	F. T. Mitchell	3,720	28	2	3	2	100
St. Joseph Hospital [1-8]	Memphis, Tenn.	H. J. Jacobson	2,878	18	1	2	2	100
Baptist Hospital [1-8]	Nashville, Tenn.	W. O. Vaughan	704	4	1	2	2	175
George W. Hubbard Hospital of Meharry Medical College [1-8]	Nashville, Tenn.	E. P. Crump	773	42	2	6	2	125
Vanderbilt University Hospital [1-8]	Nashville, Tenn.	A. Christie	1,021	30	4	6	2	50
Children's Medical Center [1-8]	Dallas, Texas	E. Pratt	3,561	47	6	14	2	50
St. Paul's Hospital [1-8]	Dallas, Texas	A. L. Alfieri	2,390	13	3	5	1	125
University of Texas Medical Branch Hospitals [1-8]	Galveston, Texas	A. E. Hansen	1,182	101	6	12	2	...
Baylor University College of Medicine Affiliated Hospitals								
Jefferson Davis Hospital [1-8]	Houston, Texas	R. J. Blattner	4,928	131	6	10	[2]	...
Methodist Hospital [1-8]	Houston, Texas		.....	..	..	..	2	...
Hermann Hospital [1]	Houston, Texas	R. J. Blattner	845	28	4	8	2	100
St. Joseph's Hospital [1]	Houston, Texas	J. R. Hild	4,555	23	1	[2]	[2]	200
Santa Rosa Hospital [8]	San Antonio, Texas	S. R. Kaliski	2,074	45	1	[2]	1	200
Salt Lake County General Hospital [1-8]	Salt Lake City	J. F. Bosma	678	28	4	7	2	150
University of Vermont Medical Center								
Bishop De Goesbriand Hospital [1-8]	Burlington, Vt.	R. Corley	595	4	1	2	2	100
Mary Fletcher Hospital [1-8]	Burlington, Vt.	R. J. McKay, Jr.	615	13	2	3	2	75
University of Virginia Hospital [1-8]	Charlottesville, Va.	W. W. Waddell, Jr.	1,061	33	4	5	2	50
Medical College of Virginia Hospital Division [1-8]	Richmond, Va.	L. E. Sutton, Jr.	1,971	41	8	14	2	50
Children's Orthopedic Hospital [1-8]	Seattle	A. Rembe	.....	..	[2]	4	[2]	160
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	W. B. Seelye	930	9	[2]	3	2	110
Memorial Hospital [1-8]	Charleston, W. Va.	J. Basman	967	13	1	1	[2]	225
University Hospitals [1]	Madison, Wis.	J. E. Gonce, Jr.	1,001	65	2	5	2	50
Milwaukee Children's Hospital [1]	Milwaukee	G. H. Wegmann	3,453	48	5	9	2	150
Milwaukee County Hospital [1-8]	Milwaukee	W. S. Polacheck	3,053	14	2	4	[2]	209
Kauikeolani Children's Hospital [1-8]	Honolulu, T. H.	M. Hasegawa	3,585	37	4	4	1	200
Bayamon District Hospital [1-8]	Bayamon, P. R.	I. Ortiz de Freeman	1,631	105	1	2	[2]	150
San Juan City Hospital [1-8]	San Juan, P. R.	A. Ortiz	1,300	41	2	6	2	150

19. PHYSICAL MEDICINE AND REHABILITATION

The following services have been approved by the Council and the American Board of Physical Medicine, through the Residency Review Committee for Physical Medicine, as offering acceptable training in the specialty.

Hospitals, 53; Assistant Residencies and Residencies, 177

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Number of Treatments	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	R. C. Psaki	1,655	105,215	1	3	3	...
Fitzsimons Army Hospital [1]	Denver	A. F. Mastellone	16,823	256,589	..	..	3	...
Army Medical Center [1-8]	Washington, D. C.	H. B. Luscombe	9,206	151,228	2	6	3	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-8]	Denver	C. C. Hoffman	3,602	379,091	1	1	3	...
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern University Medical Center)						
Veterans Admin. Hospital [1-8]	Fort Howard, Md.	L. N. Rudin	1,368	58,492	1	1	3	...
Veterans Admin. Hospital	East Orange, N. J.		.....	.....	..	..	1	...
Veterans Admin. Hospital [1-8]	New York City (Bronx)	A. S. Abramson	4,666	353,168	1	2	3	...
Veterans Admin. Hospital [1-8]	Cleveland	H. T. Zankel	1,600	30,000	2	6	3	...
Veterans Admin. Hospital [1-8]	Dayton, Ohio		.....	.....	..	..	1	...
Veterans Admin. Hospital [1-8]	Portland, Ore.	E. W. Fowlks	3,252	143,849	1	3	3	...
Veterans Admin. Hospital [1-8]	Philadelphia	R. A. Schlesinger	1,420	23,298	1	2	[2]	...
Veterans Admin. Hospital [1]	Pittsburgh	S. Machover	1,627	65,656	..	2	[2]	...
Veterans Admin. Hospital [1-8]	Memphis, Tenn.	F. I. Mahoney	2,526	166,469	1	1	3	...
Veterans Admin. Hospital [1-8]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1-8]	Richmond, Va.	A. R. Dawson	5,000	226,404	1	3	3	...
Veterans Admin. Hospital [1-8]	Milwaukee (Wood)	R. Piaskoski	8,641	232,656	1	2	3	...

Numerical and other references will be found on page 363.

19. PHYSICAL MEDICINE AND REHABILITATION — Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Number of Treatments	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
Los Angeles County General Hospital [1]	Los Angeles	E. Austin	25,636	.....	..	24	3	200
White Memorial Hospital [1-3]	Los Angeles	F. B. Moor	1,700	24,602	1	3	3	146
University of Colorado Medical Center								
Colorado General Hospital [1-3]	Denver	H. Dinken	423	34,164	1	3	3	150
Grace-New Haven Community Hospital [1-1]	New Haven, Conn.	T. F. Hines	1,319	25,990	1	3	3	50
State of Connecticut Veterans' Home and								
Hospital [1-3]	Rocky Hill, Conn.	T. F. Hines	505	51,380	1	3	3	235
District of Columbia General Hospital [1-3]	Washington, D. C.	J. Buchanan	2,535	84,127	1	3	3	143
Georgetown University Hospital [3]	Washington, D.C.	.....	.....	.....	..	..	1	...
George Washington University Hospital [1-3]	Washington, D. C.	C. S. Wise	14,471	20,165	1	3	3	150
Georgia Warm Spring Foundation [1-3]—								
Emory University	Warm Springs, Ga.	R. L. Bennett	509	112,221	6	18	3	200
Northwestern University Medical Center [1-3]	Chicago	B. Boynton	3,505	.....	1	1	3	...
Veterans Admin. Research Hospital [1]	Chicago	L. B. Newman	347	12,980	1	1	3	...
University of Kansas Medical Center [1-3]	Kansas City, Kan.	D. L. Rose	11,545	52,834	1	3	2	125
Massachusetts General Hospital [1-3]	Boston	A. L. Watkins	1,114	16,511	3	3	3	...
University Hospital [1-3]	Ann Arbor, Mich.	J. W. Rae, Jr.	2,875	39,505	2	6	3	145
University of Minnesota Hospitals [1-3]	Minneapolis	F. J. Kottke	1,737	38,581	3	7	3	162
Mayo Foundation [1-3]	Rochester, Minn.	F. H. Krusen	17,787	105,221	3	4	3	150
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	T. P. Anderson	1,392	22,599	1	2	2	166
Jewish Chronic Disease Hospital [1-3]	Brooklyn	.....	2,334	58,593	..	..	3	...
Bellevue Medical Center								
Division III—New York University College of								
Medicine [1-3]	New York City	H. A. Rusk	1,507	115,030	3	9	3	105
Bird S. Coler Memorial Hospital and Home [1-3]	New York City	J. S. Tobis	477	45,692	8	15	3	...
Goldwater Memorial Hospital [1-3]	New York City	M. Dacso	947	73,160	2	4	3	104
Hospital for Joint Diseases [1-3]	New York City	J. Weiss-H. J. Behrend	2,552	77,534	1	1	1	80
Hospital for Special Surgery [1-2]	New York City	K. G. Hansson	2,650	37,373	1	1	1	100
Metropolitan Hospital [1-3]	New York City	J. Tobis	722	42,241	2	4	3	104
Montefiore Hospital [1-3]	New York City	K. Harpuder	1,050	36,117	1	2	2	75
Mount Sinai Hospital [1-3]	New York City	W. Bierman	9,317	37,396	..	1	3	50
New York City Hospital [1-3]	New York City	F. K. Safford, Jr.	1,700	13,281	1	1	1	157
Presbyterian Hospital [1]	New York City	R. C. Darling	6,887	201,216	1	5	3	267
St. Barnabas Hospital for Chronic Diseases [1-3]	New York City	R. A. Muller	.....	81,112	1	2	1	200
St. Luke's Hospital [1-3]	New York City	R. Muller	868	146,454	2	2	2	75
City Hospital [1-3]	Cleveland	M. Peszczynski	12,979	22,648	..	..	1	...
Cleveland Clinic Hospital [1-3]	Cleveland	W. J. Zeiter	3,876	21,198	1	3	3	175
Ohio State University Hospitals								
University Hospital [1-3]	Columbus, Ohio	R. E. Worden	17,075	43,177	3	9	3	150
Hospital of the University of Pennsylvania [1-3]	Philadelphia	W. Erdman	1,787	35,496	2	6	3	...
Philadelphia General Hospital [1-3]	Philadelphia	A. A. Martucci	8,955	111,496	1	2	1	113
Gonzales Warm Springs Foundation Hospital [1]	Gonzales, Texas	O. Von Werssowetz	1,224	82,382	..	4	1	...
Baylor University College of Medicine Affiliated Hospitals			.....	.....	..	..	3	...
Veterans Admin. Hospital [1-3]	Houston, Texas	L. A. Leavitt	8,514	136,787	1	3	..	...
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	H. W. Park	55,561	82,296	2	6	3	50

20. PLASTIC SURGERY

The following services have been approved by the Council and the American Board of Plastic Surgery, through the Residency Review Committee for Plastic Surgery, as offering acceptable training in the specialty.

Hospitals, 33; Assistant Residencies and Residencies, 81

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY								
Brooke Army Hospital [1-3]	San Antonio, Texas	H. B. Jennings, Jr.	857	..	2	2	..	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Los Angeles	G. Webster	291	..	..	1	1	...
Veterans Admin. Hospital [1]	Hines, Ill.	(See University of Illinois Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	New York City (Bronx)	H. Conway	210	1	2	5	2	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	(See Duke University Affiliated Hospitals)						
Veterans Admin. Hospital [1]	White River Junction, Vt.	(See Dartmouth Affiliated Hospitals)						

NONFEDERAL

Franklin Hospital [1-3]	San Francisco	H. M. Blackfield	263	..	1	2	2	136
St. Francis Memorial Hospital [1-3]	San Francisco	G. W. Pierce	800	..	1	2	2	250
University of Illinois Affiliated Hospitals		P. W. Greeley	...	..	..	..	3	...
Illinois Research and Educational Hospitals	Chicago	.....	...	..	..	1	..	...
St. Luke's Hospital [1-3]	Chicago	.....	188	3	1	1	..	50
Veterans Admin. Hospital [1]	Hines, Ill.	.....	151	..	..	1	..	...
Indiana University Medical Center [1]	Indianapolis	H. M. Trusler	872	4	..	1	2	215
University of Kansas Medical Center [1-3]	Kansas City, Kan.	D. Robinson	509	5	1	2	2	125
Johns Hopkins Hospital [1-3]	Baltimore	M. T. Edgerton	854	6	..	3	2	20
Henry Ford Hospital [1-3]	Detroit	R. H. Clifford	...	..	1	2	2	225
Mayo Foundation [1-3]	Rochester, Minn.	F. A. Figi	3,884	1	4	12	3	150
Barnes Hospital [1-3]	St. Louis	J. B. Brown	905	1	..	4	2	50
Dartmouth Affiliated Hospitals		R. C. Tanzer	274	3	1	2	2	243
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	.....	...	..	..	..	..	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	.....	...	..	..	..	..	...
Hospital of St. Barnabas and for Women and								
Children [1-3]	Newark, N. J.	L. A. Peer	784	..	..	2	2	200
Albany Hospital [1-3]	Albany, N. Y.	B. Macomber	440	..	1	2	2	...
Kings County Hospital	Brooklyn	G. O'Brien	...	..	1	2	2	...
County Division								
Beth Israel Hospital [1-3]	New York City	A. J. Barsky	297	..	1	1	2	135
New York Hospital [1-3]	New York City	H. Conway	526	..	1	2	..	85
Presbyterian Hospital [1-3]	New York City	T. W. Stevenson, Jr.	743	..	2	4	2	267
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	R. McCormack	2,840	..	1	2	2	...

Numerical and other references will be found on page 363.

PLASTIC SURGERY — Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
State University of New York Medical Center Hospitals [1-3]	Syracuse, N. Y.	L. Sutton	335	1	..	1	2	192
Duke University Affiliated Hospitals			...	..	..	..	3	...
University Hospital [1-3]	Durham, N. C.	K. L. Pickrell	1,130	6	1	2	..	67
Veterans Admin Hospital [1-3]	Durham, N. C.	K. Pickrell	265	1	..	2	..	...
Ohio State University Medical Center University Hospital [1-3]	Columbus, Ohio	B. C. Martin	...	..	..	4	2	175
University Hospitals [1-3]	Oklahoma City	J. F. Burton	232	..	1	1	1	85
Allentown Hospital [1-3]	Allentown, Pa.	K. M. Marcks	675	1	1	1	2	225
Pittsburgh Medical Center [1-3]	Pittsburgh	S. M. Dupertius	480	..	..	4	2	125
Baylor University Hospital [1-3]	Dallas, Texas	J. T. Mills	699	1	1	1	2	125
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	T. G. Blocker, Jr.	1,060	17	2	5	3	...
Baylor University College of Medicine Affiliated Hospitals Jefferson Davis Hospital [1-3]	Houston, Texas	S. B. Hardy	319	2	1	2	2	...
University Hospitals [1]	Madison, Wis.	W. B. Slaughter	418	2	1	2	2	50

21. PREVENTIVE MEDICINE AND PUBLIC HEALTH

The following programs have been approved for two years of training by the Council and the American Board of Preventive Medicine, through the Residency Review Committee for Preventive Medicine.

AVIATION MEDICINE

School	Location	Director	Stipend (Month)
School of Aviation Medicine	Randolph Field, Texas	Brig. Gen. E. H. Kendricks	.....

PREVENTIVE MEDICINE AND PUBLIC HEALTH

Department of Health	Location	Director	Local Areas	Population	Stipend (Month)
State of California	Berkeley	M. H. Merrill	Alameda County [a]	221,800*	$458 max.
			San Joaquin County	228,600*	.....
			Orange County	203,930*	.....
State of Delaware	Dover	F. I. Hudson	Kent and New Castle Counties [b]	171,900*	$400-500
State of Florida	Jacksonville	W. T. Sowder	Alachua County	62,441*	$500 [c]
			Dade-Miami	713,757*	.....
			Hillsborough-Tampa	323,023*	.....
			Pinellas-St. Petersburg	184,000*	.....
State of Illinois	Springfield	R. R. Cross	Cook County [d] [e]	743,988	$416-500
			Will County [e]	134,366	.....
State of Kansas	Wichita	T. R. Hood	Kansas City-Wyandotte	172,762	[f] [g]
			Topeka-Shawnee	116,774	.....
			Wichita-Sedgwick	272,000	.....
State of Maryland	Baltimore	R. H. Riley	Anne Arundel County	133,323*	[g]
			Baltimore County	307,469*	.....
			Eastern Health District of Baltimore City	333,000*	.....
			Montgomery County	190,560*	.....
			Washington County	82,152*	.....
State of Massachusetts	Boston	S. B. Kirkwood	[h]	[h]	$450 [i]
State of Michigan	Lansing	A. E. Heustis	Calhoun County	123,230	$400
			Detroit	1,966,270	.....
			Kalamazoo City-County	136,460	.....
			Michigan Dept. of Health	[m]	.....
			Wayne County [j]	531,710	.....
State of Minnesota	Minneapolis	A. J. Chesley, Secy. and Ex. Off.	Olmstead-Rochester	47,728*	75% of what job will pay [k]
New York City	New York City	L. Baumgartner, Com. H. P. Kandle, Dep. Com.	.....	8,010,000*	$443
State of New York	Albany	H. E. Hilleboe	(l)	(l)	$456
State of North Carolina	Raleigh	J. W. R. Norton	Charlotte-Mecklenburg County	211,754*	.....
			Forsyth-Winston-Salem	152,524*	.....
			Halifax	58,981*	.....
			Orange-Person-Chatham-Lee	112,955*	.....
State of Oregon	Portland	H. M. Erickson	Multnomah County	115,320*	[f]
State of Texas	Austin	H. A. Holle	.....	.....	$700
State of Virginia	Richmond	R. G. Beachley	Arlington County	144,980*	$700
State of Washington	Seattle	B. Bucove	King-Seattle	771,100*	$500
			Clark-Skamania	90,400*	.....

* Estimated.

(a) Excludes Alameda, Berkeley, and Oakland cities with full-time health officers, and Albany and Livermore with part-time officer.

(b) Excludes the city of Wilmington.

(c) To those planning to work in state; transportation costs only to others.

(d) Excludes Berwyn, Chicago, Evanston, Oak Park, Stickney Township, and Winnetka (including Glencoe, Kenilworth, Northbrook, and remainder of New Trier Township), all with full-time health officers.

(e) Assistance can be arranged for securing the MPH degree in the midst of, or after completion of, residency experience. Appointments normally are limited to those training for service in Illinois.

(f) Arrangements for remuneration made on an individual basis.

(g) Arrangements for remuneration made upon determination of field of interest and location desired.

(h) Training is given in a combination of one county, one union health, and seven municipal health departments and in the divisions of the State Department of Health.

(i) To those training for service in Massachusetts only.

(j) Excludes Detroit and Dearborn, each with full-time health officers.

(k) To those training for service in Minnesota only.

(l) Training is given in any one of 10 city health departments, 16 county health departments, or 15 district offices within the state.

(m) Training to be with Michigan Department of Health, with field experience in local health departments.

Numerical and other references will be found on page 363.

22. PROCTOLOGY

The following services have been approved by the Council and the American Board of Psychiatry and the Residency Review Committee for Proctology, as offering acceptable training in the specialty.

Hospitals, 12; Assistant Residencies and Residencies, 22

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Beginning Stipend (Month)
White Memorial Hospital [1-3]	Los Angeles	F. E. Bradford	216	2	1	2	2	146
Ochsner Foundation Hospital [1]	New Orleans	M. O. Hines	242	..	1	2	2	200
Ferguson-Droste-Ferguson Hospital [1-3]	Grand Rapids, Mich.	J. A. Ferguson	1,934	16	1	2	2	275
University of Minnesota Hospitals [1-3]	Minneapolis	O. H. Wangensteen	...	..	1	2	2	162
Mayo Foundation [1-3]	Rochester, Minn.	R. S. Jackman	780	28	2	2	2	150
Millard Fillmore Hospital [1-3]	Buffalo	W. H. Bernhoft	407	..	1	2	2	225
Youngstown Hospital [1-3]	Youngstown, Ohio	P. J. Fuzy, Sr.	652	11	1	2	2	175
Allentown Hospital [1-3]	Allentown, Pa.	M. S. Kleckner	768	11	1	1	2	225
Temple University Hospital [1-3]	Philadelphia	H. E. Bacon	921	10	1	3	2	...
Pittsburgh Medical Center [1-3]	Pittsburgh	K. M. Zimmerman	615	..	..	1	2	125
Baylor University Hospital [1-3]	Dallas, Texas	C. Rosser	830	..	1	1	2	125
Milwaukee County Hospital [1-3]	Milwaukee	J. D. Charles	195	5	1	3	1	209

23. PSYCHIATRY

The following services have been approved by the Council and the American Board of Psychiatry and Neurology, through the Residency Review Committee for Psychiatry and Neurology, as offering acceptable training in the specialty.

Hospitals, 275; Assistant Residencies and Residencies, 2,689

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Program Identification	Beginning Stipend (Month)
UNITED STATES ARMY									
Letterman Army Hospital [1]	San Francisco	J. M. Caldwell	848	..	3	9	3	12	...
Fitzsimons Army Hospital [1]	Denver	O. M. Weaver	818	..	..	..	3	..	...
Army Medical Center [1-3]	Washington, D. C.	E. B. Litteral	1,104	5	12	19	3	..	...
UNITED STATES NAVY									
U. S. Naval Hospital [1]	Oakland, Calif.	D. C. Gaede	1,352	1	..	..	2	..	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	J. E. Narduni	826	1	3	7	3	..	...
U. S. Naval Hospital [1]	Philadelphia	J. F. McMullin	1,449	7	..	..	2	..	...
UNITED STATES PUBLIC HEALTH SERVICE									
U. S. Public Health Service Hospital [1]	Lexington, Ky.	R. W. Rasor- E. P. Kalbaugh	3,494	7	4	12	3	30	...
National Institutes of Health-Clinical Center [1-3]	Bethesda, Md.	R. Cohen	61	..	..	4	1	..	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE									
Freedmen's Hospital	Washington, D. C.	E. Y. Williams	209	2	1	2	3	..	...
St. Elizabeth's Hospital [1-3]	Washington, D. C.	W. Overholser	8,498	227	12	24	3	20	283
VETERANS ADMINISTRATION									
Veterans Admin. Hospital [1]	Tuskegee, Ala.	P. P. Barker	550	35	2	2	2	..	...
Veterans Admin. Hospital [1]	North Little Rock, Ark.	(See University of Arkansas Affiliated Hospitals)							
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	J. S. L. Jacobs	553	..	1	3	3	..	...
Veterans Admin. Hospital [1-3]	Los Angeles	J. T. Ferguson	3,428	..	16	50	3	11	...
Veterans Admin. Hospital [1-3]	Palo Alto, Calif.	H. D. Von Witzleben	2,199	31	12	34	3	14	...
Veterans Admin. Hospital [1-3]	Denver	L. L. Woodfin	587	1	3	8	3	..	...
Veterans Admin. Hospital [1-3]	West Haven, Conn.	E. B. Brody	229	..	12	30	2	18	...
Veterans Admin. Hospital [1]	Augusta, Ga.	M. Dunn	1,466	13	3	6	2	21	...
Veterans Admin. West Side Hospital	Chicago	...	224	2	2	6	2	..	...
Veterans Admin. Hospital [1]	Downey, Ill.	(See Northwestern University Medical Center)							
Veterans Admin. Hospital	Hines, Ill.	W. D. Steed	369	5	7	10	3	25	...
Veterans Admin. Hospital [1]	Indianapolis	B. Frazin	557	..	2	6	1	..	...
Veterans Admin. Hospital [1-3]	Topeka, Kan.	G. L. Harrington	2,250	9	25	75	3	29	...
Veterans Admin. Hospital [1-3]	Lexington, Ky.	E. W. Straus	1,381	10	2	4	2	31	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	(See University of Louisville Affiliated Hospitals)							
Veterans Admin. Hospital [1-3]	New Orleans	B. Cohen	236	..	2	4	2	34	...
Veterans Admin. Hospital [1-3]	Perry Point, Md.	W. M. Harris	353	42	4	10	3	37	...
Veterans Admin. Hospital [1-3]	Bedford, Mass.	A. H. Braverman	2,255	22	8	20	3	39	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	W. Bloomberg	561	4	10	35	3	..	...
Veterans Admin. Hospital [1-3]	Brockton, Mass.	A. S. Mason	836	12	6	6	1	..	...
Veterans Admin. Hospital [1-3]	Battle Creek, Mich.	A. L. Olsen	2,636	29	4	4	3	42	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	J. L. Kubanek	354	7	2	6	3	45	...
Veterans Admin. Hospital [1-3]	Minneapolis	W. Simon	599	..	2	4	3	46	...
Veterans Admin. Hospital [1]	Gulfport, Miss.	E. R. Bennett	1,617	21	2	4	3	34	...
Veterans Admin. Hospital	Jefferson Barracks, Mo.	...	...	..	..	..	3	..	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	W. E. Olson	202	..	1	3	1	..	...
Veterans Admin. Hospital [1-3]	Omaha	W. M. Gysin	555	7	6	7	3	53	...
Veterans Admin. Hospital [1-3]	Lyons, N. J.	M. P. Rosenblum	2,454	42	3	7	3	54	...
Veterans Admin. Hospital [1-3]	Albany, N. Y.	I. C. Funk	488	19	3	9	3	..	...
Veterans Admin. Hospital [1-3]	Brooklyn	J. Barasch	355	6	5	15	3	57	...
Veterans Admin. Hospital [1-3]	Buffalo	B. G. Schutkeker	289	1	1	2	2	56	...
Veterans Admin. Hospital [1-3]	Canandaigua, N. Y.	D. Davis	2,007	32	3	6	2	65	...
Veterans Admin. Hospital [1-3]	Montrose, N. Y.	A. A. Schillinger	2,132	32	5	10	3	61	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	H. L. Flowers	1,173	..	11	26	3	60	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	J. B. Parker, Jr.	195	..	2	6	3	..	...
Veterans Admin. Hospital [1-3]	Cleveland	L. Halle	371	..	3	6	3	71	...
Veterans Admin. Hospital [1-3]	Coatesville, Pa.	W. Winick	2,123	31	12	22	3	73	...
Veterans Admin. Hospital [1-3]	Philadelphia	M. Cohen	44	..	1	3	1	..	...
Veterans Admin. Hospital [1]	Nashville, Tenn.	B. T. Bennett	260	..	4	7	3	76	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)							
Veterans Admin. Hospital [1]	Waco, Texas	G. T. McMahan	3,141	24	3	3	1	..	...
Veterans Admin. Hospital [1]	Salt Lake City (NP—Fort Douglas)	R. H. Anderson	609	2	4	12	3	..	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	J. B. Funkhouser	632	6	3	3	3	82	...
Veterans Admin. Hospital [1-3]	Roanoke, Va.	H. P. Morgan	2,657	33	5	15	3	80	...
Veterans Admin. Hospital [1-3]	Seattle	N. C. Chivers	360	18	4	10	3	83	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	N. C. Mace	1,190	9	4	12	3	..	...

Numerical and other references will be found on page 363.

23. PSYCHIATRY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered *	Total Residencies Offered *	Length of Approved Program (Years)	Program Identification	Beginning Stipend (Month)
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	F. A. Kay	453	1	1	3	1	..	108
University of Arkansas Affiliated Hospitals			...	..	..	..	3	..	...
Arkansas State Hospital [1-3]	Little Rock, Ark.	W. P. Kolb	4,098	94	6	12	3	..	350
Veterans Admin. Hospital [1]	North Little Rock, Ark.	E. S. Chappell	3,513	63	..	4	12	49	...
Agnews State Hospital [1]	Agnew, Calif.	H. Tucker	7,622	90	5	5	1	..	310
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	A. E. Bennett	533	3	1	3	2	..	175
Camarillo State Hospital [1]	Camarillo, Calif.	A. Augur	10,136	184	3	5	2	..	...
Compton Sanitarium [1-3]	Compton, Calif.	G. C. Burns	553	..	4	4	1	..	250
Napa State Hospital [1]	Imola, Calif.	W. A. Oliver	7,772	214	2	2	1	..	310
Los Angeles County General Hospital [1]	Los Angeles	E. Ziskind	9,939	26	1	6	3	..	200
Metropolitan State Hospital [1-3]	Norwalk, Calif.	R. E. Wyers	4,018	30	5	15	3	..	310
Patton State Hospital [1-3]	Patton, Calif.	R. J. Lentz	7,161	146	2	2	1	..	310
Langley Porter Clinic-Hospital [1-3]	San Francisco	K. M. Bowman	329	347	12	38	3	..	87
Mount Zion Hospital [1-3]	San Francisco	N. Reider	117	..	..	6	2	..	...
Stanford University Hospitals [1-3]	San Francisco	G. S. Johnson	315	3	1	3	3	..	80
Pacific Colony [1-3]	Spadra, Calif.	G. Tarjan	2,233	28	..	3	1	..	310
University of Colorado Medical Center									
Colorado Psychopathic Hospital [1-3]	Denver	H. S. Gaskill	876	4	12	30	3	16	183
Colorado State Hospital [1-3]	Pueblo, Colo.	P. Dozier	6,647	173	12	18	2	..	415
Institute of Living [1-3]	Hartford, Conn.	F. J. Braceland	1,022	..	8	16	3	..	333
Connecticut State Hospital [1-3]	Middletown, Conn.	H. S. Whiting	4,363	71	8	17	2	..	440
Silver Hill Foundation	New Canaan, Conn.	W. B. Terhune	350	..	..	1	1	..	...
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	T. Lidz	69	..	8	17	3	17	50
Fairfield State Hospital [1-3]	Newtown, Conn.	W. F. Green	4,064	90	5	10	2	..	430
Norwich State Hospital [1-3]	Norwich, Conn.	R. H. Kettle	4,433	115	6	18	3	..	440
Delaware State Hospital [1-3]	Farnhurst, Del.	M. A. Tarumianz	1,409	43	4	10	3	19	200
District of Columbia General Hospital [1-3]	Washington, D. C.	J. Schultz	3,485	2	3	3	2	..	169
Georgetown University Hospital [3]	Washington, D. C.	G. N. Raines	107	..	4	12	2	..	20
Duval Medical Center [1-3]	Jacksonville, Fla.	S. G. Bedell	544	2	2	5	1	..	175
Jackson Memorial Hospital [1-3]	Miami, Fla.	J. S. Gottlieb	923	..	5	15	2	..	166
Grady Memorial Hospital [1-3]	Atlanta, Ga.	J. S. Skobba	...	..	1	1	1	..	250
University Hospital [1-3]	Augusta, Ga.	H. M. Cleckley	903	1	1	2	3	..	160
Chicago State Hospital [1-3]	Chicago	J. Cowen	6,705	90	4	9	3	23	280
Cook County Hospital [1-3]	Chicago	V. G. Urse	8,140	6	5	5	3	..	...
Loretto Hospital [1-3]	Chicago	J. J. Madden	574	1	1	1	1	..	200
Mercy Hospital [1-3]	Chicago	J. J. Madden	368	..	1	1	1	..	100
Michael Reese Hospital [1-3]	Chicago	R. R. Grinker	1,005	5	5	15	3	..	50
Mount Sinai Hospital	Chicago	H. H. Garner	206	..	1	2	2	..	...
Northwestern University Medical Center	Chicago	B. Boshes	582	2	2	6	3	..	50
Veterans Admin. Hospital [1]	Downey, Ill.	A. Paunez	3,610	83	20	38	3	26	...
St. Luke's Hospital [1-3]	Chicago	F. J. Gerty	329	..	1	3	3	22	50
University of Chicago Clinics [1-3]	Chicago	D. D. Brockman	151	1	3	9	3	..	175
University of Illinois Neuropsychiatric Institute [1]	Chicago	F. J. Gerty	225	..	3	9	3	27	...
Dixon State School [1-3]	Dixon, Ill.	L. B. Kamenetz	5,000	70	3	3	1	..	280
Elgin State Hospital [1-3]	Elgin, Ill.	W. Tuteur	...	..	6	6	1	23	...
Jacksonville State Hospital [1-3]	Jacksonville, Ill.	S. N. Leschin	4,711	120	4	4	1	..	285
North Shore Health Resort [1-3]	Winnetka, Ill.	S. Liebman	339	3	..	2	1	..	...
Central State Hospital [1]	Indianapolis	C. L. Williams	2,522	8	4	8	2	..	375
Indiana University Medical Center									
Indianapolis General Hospital [1-3]	Indianapolis	E. Mericle	515	4	2	6	3	28	165
Indiana University Medical Center [1]	Indianapolis	M. R. Caldwell	...	..	12	39	3	28	355
Norways Foundation Hospital [1-3]	Indianapolis	J. H. Greist	798	1	2	5	2	..	300
Logansport State Hospital [1]	Logansport, Ind.	G. W. Morrow	3,026	26	4	4	1	..	550
Norman M. Beatty Memorial Hospital	Westville, Ind.	W. R. Van Den Bosch	2,348	31	4	16	1	..	365
Mental Health Institute [1-3]	Cherokee, Iowa	W. C. Brinegar	1,979	54	2	2	1	..	300
Mental Health Institute	Independence, Iowa	D. L. Kyer	1,296	30	6	6	1	..	...
Iowa State Psychopathic Hospital [1-3]	Iowa City	W. R. Miller	306	..	4	10	3	..	200
Halstead Hospital [1]	Halstead, Kan.	T. L. Foster	285	1	3	3	1	..	250
University of Kansas Medical Center [1-3]	Kansas City, Kan.	W. Roth, Jr.	157	1	5	12	3	..	125
C. F. Menninger Memorial Hospital [1-3]	Topeka, Kan.	K. A. Menninger	176	..	..	7	3	29	300
Topeka State Hospital [1-3]	Topeka, Kan.	W. S. Simpson	1,904	31	22	62	3	29	300
University of Louisville Hospitals			...	..	..	5	15	3	...
Central State Hospital [1-3]	Lakeland, Ky.	G. P. Wyman	3,092	4	..	..	..	..	...
Louisville General Hospital [1-3]	Louisville, Ky.	W. K. Keller	871	4	..	..	..	..	200
Norton Memorial Hospital [1-3]	Louisville, Ky.	S. S. Ackerly	226	..	..	..	..	..	250
Veterans Admin. Hospital [1-3]	Louisville, Ky.	D. Moore	297	2	..	..	..	32	...
Charity Hospital of Louisiana									
Louisiana State University Unit [1]	New Orleans	R. A. Matthews	501	2	2	6	3	35	100
Tulane University Unit [1]	New Orleans	R. G. Heath	321	4	2	6	3	34	100
De Paul Sanitarium [1-3]	New Orleans	W. J. Otis	...	844	2	6	1	..	...
Johns Hopkins Hospital [1-3]	Baltimore	J. C. Whitehorn	266	1	..	18	3	36	20
Seton Institute [1-3]	Baltimore	L. H. Bartemeier	586	..	3	10	2	..	200
University Hospital [1-3]	Baltimore	J. E. Finesinger	149	..	5	18	3	..	150
Spring Grove State Hospital [1-3]	Catonsville, Md.	I. Tuerk	4,420	71	6	17	3	..	300
Crownsville State Hospital [1-3]	Crownsville, Md.	R. H. Meng	2,390	22	5	5	1	..	418.42
Chestnut Lodge [1-3]	Rockville, Md.	D. M. Bullard	206	..	..	5	1	..	350
Springfield State Hospital [1-3]	Sykesville, Md.	I. L. Hitchman	4,407	91	3	8	2	..	291
Sheppard and Enoch Pratt Hospital [1-3]	Towson, Md.	H. M. Murdock	443	5	5	12	3	..	200
Beth Israel Hospital [1-3]	Boston	G. L. Bibring	...	..	3	6	2	..	250
Boston Psychopathic Hospital [1]	Boston	H. C. Solomon	840	..	8	22	3	..	255
Boston State Hospital [1-3]	Boston	J. Mann	4,616	110	12	22	3	..	250
Massachusetts General Hospital [1-3]	Boston	E. Lindemann	271	1	2	3	2	40	...
Massachusetts Memorial Hospitals [1-3]	Boston	W. Malamud	...	..	..	8	3	38	250
New England Center Hospital [1-3]	Boston	J. Hope	...	..	..	2	1	..	83
St. Elizabeth's Hospital [1-3]	Boston	N. Flanagan	621	..	1	1	1	..	125
Foxborough State Hospital [1-3]	Foxborough, Mass.	J. T. Shea	1,750	53	2	2	2	..	255
Danvers State Hospital [1-3]	Hathorne, Mass.	P. B. Hagopian	3,210	82	2	2	1	..	255
Medfield State Hospital [1-3]	Medfield, Mass.	R. H. Turcotte	1,600	31	2	4	1	..	490
Northampton State Hospital [1-3]	Northampton, Mass.	J. H. F. Longpre	3,266	..	2	2	1	..	255
Austen Riggs Foundation	Stockbridge, Mass.	R. P. Knight	118	..	..	6	2	.	500
Taunton State Hospital [1-3]	Taunton, Mass.	W. E. Glass	2,638	62	8	12	2	..	255
Metropolitan State Hospital [1-3]	Waltham, Mass.	M. Asekoff	2,550	60	2	2	2	..	255
McLean Hospital [1-3]	Waverley, Mass.	P. M. Howard	493	9	..	6	2	..	...
Worcester State Hospital [1-3]	Worcester, Mass.	D. Rothschild	3,519	79	8	18	3	..	255
University Hospital [1-3]	Ann Arbor, Mich.	R. W. Waggoner	587	3	9	40	3	..	302
St. Joseph's Retreat [1-3]	Dearborn, Mich.	M. H. Hoffmann	1,541	4	2	2	1	..	350
Henry Ford Hospital [1-3]	Detroit	L. D. Proctor	350	..	1	3	3	41	225
Receiving Hospital [1-3]	Detroit	J. M. Dorsey	5,816	19	2	7	3	44	270
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	L. Hirsch	4,524	55	4	11	3	10	505
Kalamazoo State Hospital [1-3]	Kalamazoo, Mich.	C. M. Schrier	5,133	14	4	6	2	43	645
Northville State Hospital [1-3]	Northville, Mich.	G. R. Forrer	1,676	15	7	15	2	..	510

Numerical and other references will be found on page 363.

23. PSYCHIATRY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Program Identification	Beginning Stipend (Month)
Pontiac State Hospital [1-3]	Pontiac, Mich.	I. A. La Core	3,555	49	6	15	3	10	510
Traverse City State Hospital [1]	Traverse City, Mich.	R. P. Sheets	5,342	75	6	6	2	..	510
Ypsilanti State Hospital [1-3]	Ypsilanti, Mich.	O. R. Yoder	4,763	87	5	15	3	..	510
Minneapolis General Hospital [1-3]	Minneapolis	R. W. Anderson	669	6	1	2	2	..	182
University of Minnesota Hospitals [1-3]	Minneapolis	D. W. Hastings	302	1	3	11	3	..	102
Mayo Foundation [1-3]	Rochester, Minn.	H. P. Rome	1,050	1	3	15	3	47	150
Rochester State Hospital [1]	Rochester, Minn.	M. C. Petersen	2,672	135	2	4	1	..	250
Mississippi State Hospital [1]	Whitfield, Miss.	J. J. Head	7,867	60	6	6	1	..	300
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	F. J. Koenig	274	..	2	6	3	..	150
State Hospital No. 2 [1]	St. Joseph, Mo.	O. Mullinax	...	..	2	2	1	..	300
Barnes Hospital [1-3]	St. Louis	E. F. Gildea	596	1	6	13	3	10	50
Homer G. Phillips Hospital [1-3]	St. Louis	E. F. Gildea	1,043	6	3	8	2	..	180
St. Louis City Hospital [1-3]	St. Louis	E. Gildea-R. Britt	1,383	19	4	9	3	..	180
St. Louis State Hospital [1-3]	St. Louis	L. H. Kohler	3,357	39	7	21	3	..	250
St. Mary's Group of Hospitals [1-3]	St. Louis	F. M. Grogan	503	3	1	3	1	50	100
Hastings State Hospital [1-3]	Ingleside, Neb.	G. L. Sandritter	2,261	60	6	12	2	52	400
Norfolk State Hospital [1]	Norfolk, Neb.	C. G. Ingham	1,498	6	3	3	1	52	400
Creighton Memorial-St. Joseph's Hospital	Omaha	F. Barta	938	5	2	6	2	..	175
Lutheran Hospital [1]	Omaha	R. S. Wigton	1,081	..	2	4	2	..	400
University of Nebraska Hospital [1-3]	Omaha	C. Wittson	...	..	2	10	3	51	...
New Hampshire State Hospital [1-3]	Concord, N. H.	E. K. Holt	3,539	70	2	2	1	..	363
Essex County Overbrook Hospital [1-3]	Cedar Grove, N. J.	J. G. Sutton	3,000	101	8	16	2	..	200
New Jersey State Hospital [1-3]	Greystone Park, N. J.	A. Crandell	8,628	130	4	10	2	..	300
New Jersey State Hospital [1-3]	Marlboro, N. J.	J. B. Gordon	4,871	129	2	2	2	..	300
Bergen Pines County Hospital [1-3]	Paramus, N. J.	D. A. MacDonald	956	8	1	1	1	..	200
New Jersey Neuro-Psychiatric Institute [1-3]	Princeton N. J.	R. S. Garber	1,451	21	8	14	2	495	...
New Jersey State Hospital [1-3]	Trenton, N. J.	H. S. Magee	6,139	55	5	10	2	10	475
Albany Hospital [1-3]	Albany, N. Y.	W. Holt	1,452	5	2	5	3	..	...
Binghamton State Hospital [1-3]	Binghamton, N. Y.	O. H. Boltz	4,040	42	4	6	1	..	425
Brooklyn State Hospital [1-3]	Brooklyn	N. Beckenstein	...	20	6	17	3	..	425
Kings County Hospital University Service [1-3]	Brooklyn	H. W. Potter	9,875	43	10	30	3	..	156
Buffalo State Hospital [1-3]	Buffalo	D. Whitehead	4,722	82	3	3	3	..	425
Edward J. Meyer Memorial Hospital [1]	Buffalo	S. M. Small	2,665	31	1	3	3	..	179
Central Islip State Hospital [1-3]	Central Islip, N. Y.	F. J. O'Neill	10,815	285	8	24	3	..	425
Hillside Hospital [1-3]	Glen Oaks, N. Y.	J. S. A. Miller	553	..	6	14	3	10	200
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	R. R. Steen	1,092	22	1	1	1	..	225
Pinewood Sanitarium [1-3]	Katonah, N. Y.	W. A. Thompson	327	..	1	1	1	..	250
Kings Park State Hospital [1-3]	Kings Park, N. Y.	C. Buckman	11,188	155	13	13	2	..	425
River Crest Sanitarium [1-3]	Long Island City, N. Y.	M. Dollin	948	4	..	2	1	..	350
Marcy State Hospital [1-3]	Marcy, N. Y.	G. L. Warner	3,033	13	5	5	2	..	212
Middletown State Hospital [1-3]	Middletown, N. Y.	W. A. Schmitz	3,483	100	9	9	2	..	412
Bellevue Medical Center Medical Division III—New York University College of Medicine [1-3]	New York City	L. I. Sharp	18,225	115	27	58	3	58	105
Manhattan State Hospital [1-3]	New York City	J. H. Travis	4,523	72	13	13	3	59	425
Mount Sinai Hospital [1-3]	New York City	M. R. Kaufman	145	..	4	9	2	..	50
New York Hospital [1-3]	New York City	O. Diethelm	300	2	4	13	3	..	69
New York State Psychiatric Institute [1-3]	New York City	L. C. Kolb	323	1	15	15	3	..	425
New York University-Bellevue Medical Center University Hospital [1-3]	New York City	S. B. Wortis	...	..	..	4	1	58	85
Roosevelt Hospital [1-3]	New York City	R. W. Laidlaw	87	..	..	1	1	..	116
St. Lawrence State Hospital [1-3]	Ogdensburg, N. Y.	H. B. Snow	2,774	55	8	16	2	..	395
Rockland State Hospital [1-3]	Orangeburg, N. Y.	A. M. Stanley	9,807	136	8	8	3	10	431
Stony Lodge [1-3]	Ossining, N. Y.	B. C. Glueck, Jr.	161	..	..	2	1	..	...
High Point Hospital [1-3]	Port Chester, N. Y.	A. Grainick	...	..	..	4	2	..	375
Hudson River State Hospital [1-3]	Poughkeepsie, N. Y.	O. A. Kilpatrick	6,295	39	..	2	3	62	425
Creedmoor State Hospital [1-3]	Queens Village, N. Y.	H. A. La Burt	8,145	118	9	35	3	..	425
Rochester State Hospital [1-3]	Rochester, N. Y.	C. F. Terrence	3,700	59	3	7	3	64	425
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	J. Romano	15,206	2	5	15	3	63	...
Ellis Hospital [1-3]	Schenectady, N. Y.	E. Davidoff	641	5	2	3	2	..	150
Syracuse Psychopathic Hospital [1-3]	Syracuse, N. Y.	R. F. Binzley	567	1	2	6	3	66	425
Letchworth Village [1-3]	Thiells, N. Y.	H. C. Storrs	4,315	..	2	3	1	..	425
Utica State Hospital [1-3]	Utica, N. Y.	B. B. Young	2,746	44	3	5	2	..	425
Grasslands Hospital [1-3]	Valhalla, N. Y.	F. V. Rockwell	1,227	10	2	7	3	..	175
Pilgrim State Hospital [1-3]	West Brentwood, N. Y.	H. J. Worthing	14,201	307	20	40	3	..	425
New York Hospital—Westchester Division [1-3]	White Plains, N. Y.	J. H. Wall	740	7	5	12	3	..	150
Willard State Hospital [1-3]	Willard, N. Y.	K. Keill	3,591	68	4	8	2	..	425
Harlem Valley State Hospital [1-3]	Wingdale, N. Y.	L. P. O'Donnell	6,497	118	3	7	2	55	425
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	G. C. Ham	479	..	8	21	3	..	250
Duke University Hospital [1-3]	Durham, N. C.	E. W. Busse	412	..	4	14	3	..	167
State Hospital [1-3]	Raleigh, N. C.	D. A. Young	2,347	41	4	8	2	..	...
Graylyn North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	...	...	..	..	..	3	..	...
Windsor Hospital [1-3]	Chagrin Falls, Ohio	J. H. Nichols	732	1	..	1	1	70	300
Christ Hospital [1]	Cincinnati	H. D. Fabing	624	3	1	1	1	..	200
Cincinnati General Hospital [1-3]	Cincinnati	M. Levine	1,424	..	12	39	3	69	112
Jewish Hospital [1-3]	Cincinnati	P. Piker	50	5	..	2	1	..	200
Longview State Hospital [1]	Cincinnati	D. Goldman	3,434	89	5	8	1	..	...
Cleveland Clinic Hospital [1-3]	Cleveland	L. J. Karnosh	...	..	2	3	2	70	175
Cleveland Receiving Hospital [1-3]	Cleveland	K. Salus	1,188	12	..	..	2	..	500
University Hospitals [1-3]	Cleveland	D. D. Bond	192	..	3	6	2	71	125
Columbus State Hospital [1-3]	Columbus, Ohio	B. Kovitz	3,518	148	4	12	2	10	500
Ohio State University Hospitals Columbus Receiving Hospital [1-3]	Columbus, Ohio	R. M. Patterson	487	1	6	21	3	10	292
Massillon State Hospital [1-3]	Massillon, Ohio	A. G. Hyde	3,321	41	..	2	1	..	236
Harding Sanitarium [1]	Worthington, Ohio	H. S. Evans	749	..	2	4	2	..	...
Central State Griffin Memorial Hospital [1-3]	Norman, Okla.	J. Behrman	1,500	..	4	12	2	..	500
Oregon State Hospital [1]	Salem, Ore.	D. K. Brooks	5,647	119	..	6	1	..	570
Abington Memorial Hospital [1-3]	Abington, Pa.	K. E. Appel	230	7	..	2	1	..	300
Danville State Hospital [1-3]	Danville, Pa.	O. W. Clinger	3,156	25	8	17	3	..	433
Embreeville State Hospital [1-3]	Embreeville, Pa.	J. V. Cohn	900	32	2	4	1	..	...
Harrisburg State Hospital [3]	Harrisburg, Pa.	H. C. Eaton	3,105	47	4	8	2	..	433
Norristown State Hospital [1]	Norristown, Pa.	A. P. Noyes	5,334	96	4	21	3	..	433
Albert Einstein Medical Center—Southern Division [1-3]	Philadelphia	P. Sloane	...	..	..	2	1	..	250
Friends Hospital [1-3]	Philadelphia	T. L. Dehne	463	7	3	6	2	..	300
Hospital of the University of Pennsylvania [1-3]	Philadelphia	K. Appel	...	..	..	9	2	..	...
Institute of the Pennsylvania Hospital [1]	Philadelphia	L. H. Smith	295	..	..	6	2	72	250
Jefferson Medical College Hospital [1-3]	Philadelphia	B. L. Keyes	54	..	1	1	1	..	...
Pennsylvania Hospital-Department for Mental and Nervous Diseases [1]	Philadelphia	L. H. Smith	377	1	6	12	2	72	...

Numerical and other references will be found on page 363.

23. PSYCHIATRY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Length of Approved Program (Years)	Program Identification	Beginning Stipend (Month)
Philadelphia General Hospital [1-3]	Philadelphia	J. F. Stouffer	2,595	80	3	8	3	..	375
Philadelphia Psychiatric Hospital [1-3]	Philadelphia	S. Cohen	949	..	4	10	3	..	167
Philadelphia State Hospital [1-3]	Philadelphia	E. L. Sielke	7,089	24	6	12	2	..	433
Temple University Hospital [1-3]	Philadelphia	O. S. English	133	..	2	6	3	74	...
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	H. L. Mitchell	3,037	29	1	3	2	..	250
Western Psychiatric Institute [1-3]	Pittsburgh	H. W. Brosin	356	..	12	36	3	75	...
Warren State Hospital [1-3]	Warren, Pa.	R. H. Israel	4,136	103	12	26	3	..	...
Woodville State Hospital [1]	Woodville, Pa.	R. J. Phifer	3,367	3	4	4	1	..	333
State Hospital for Mental Diseases [1-3]	Howard, R. I.	J. F. Regan	4,847	93	8	14	2	..	375
Butler Hospital [1-3]	Providence, R. I.	H. H. Babcock	279	..	2	6	2	..	200
Charles V. Chapin Hospital [1-3]	Providence, R. I.	W. N. Hughes	845	..	2	2	1	..	413
Emma Pendleton Bradley Home [1-3]	Riverside, R. I.	M. W. Laufer	72	..	..	3	1	..	250
Gallor Psychiatric Hospital [1-3]	Memphis, Tenn.	T. S. Hill	277	..	3	3	3	..	331
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	W. F. Orr	78	..	2	6	3	76	50
Parkland Memorial Hospital [1-3]	Dallas, Texas	E. J. McCranie	308	..	..	2	3	10	50
Timberlawn Sanitarium [1]	Dallas, Texas	G. F Witt	607	..	3	6	2	..	300
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	T. Harris	3,196	1	10	30	3	77	...
Baylor University College of Medicine Affiliated Hospitals			...	..	..	..	3	..	...
Jefferson Davis Hospital [1-3]	Houston, Texas	W. T. Lhamon	292	2	1	2	..	..	...
Methodist Hospital [1-3]	Houston, Texas	M. Bettis	...	..	..	..	..	..	...
Veterans Admin. Hospital [1-3]	Houston, Texas	O. E. Hubbard	792	2	4	12	..	78	...
Salt Lake County General Hospital [1-3]	Salt Lake City	C. H. H. Branch	266	..	3	10	3	..	175
Brattleboro Retreat [1-3]	Brattleboro, Vt.	J. B. Tompkins	1,049	4	4	4	1	..	417
Vermont State Hospital [1-3]	Waterbury, Vt.	R. A. Chittick	1,778	31	2	4	2	..	420
University of Virginia Hospital [1-3]	Charlottesville, Va.	D. C. Wilson	680	1	8	20	3	80	220
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	R. F. Gayle, Jr.	692	2	1	3	3	..	50
Eastern State Hospital [1-3]	Williamsburg, Va.	G. L. Jones	3,126	..	10	15	2	81	640
Western State Hospital [1-3]	Fort Stellacoom, Wash.	R. W. Brown	4,224	118	9	18	1	..	391
Pinel Foundation [1-3]	Seattle	J. B. Dugan	118	..	..	3	1	..	400
University Hospitals [1]	Madison, Wis.	H. H. Reese	(Included in Neurology)		1	3	..	..	...
Milwaukee County Hospital for Mental Diseases [1]	Milwaukee	M. Kasak	1,971	9	3	9	2	10	100
Milwaukee Sanitarium [1-3]	Wauwautosa, Wis.	J. A. Kindwall	603	1	1	1	1	..	400
Queen's Hospital [1-3]	Honolulu, T. H.	J. G. Lynn, IV	420	..	1	3	1	..	125
Territorial Hospital [1-3]	Kaneohe, T. H.	R. A. Kimmich	1,782	15	2	4	1	..	633

PSYCHIATRY PROGRAM IDENTIFICATION

10. Service in child psychiatry.
11. Six months service at Los Angeles County Hospital, Los Angeles.
12. Nine months service at Mount Zion Hospital, six months at Langley Porter Clinic and service in child psychiatry, San Francisco.
13. Three months of service at Napa State Hospital, San Francisco Hospital, Strickton State Hospital, Sonoma State Home and San Quentin Prison; and six months at Colwell Memorial Hospital.
14. Three months service Fort Miley Veterans Administration Hospital, San Francisco, and Langley Porter Clinic, San Francisco; may include elective services at University of California Hospital, Mount Zion Hospital and Stanford University (Lane) Hospital, San Francisco.
15. Three months service at Pacific Colony Hospital, Spadra, and three months service in child psychiatry at Camarillo State Hospital.
16. Affiliate services at Colorado General and Denver General Hospitals.
17. Affiliate service at Veterans Administration Hospital, West Haven Connecticut State Hospital, Fairfield State Hospital, Norwich State Hospital and service in child psychiatry.
18. Twelve months service at Grace-New Haven Community Hospital, New Haven, Connecticut.
19. Six months service at Governor Bacon Health Center, Delaware City.
20. Two months service at George Washington University Hospital, Washington, D. C.
21. Affiliate service at University Hospital, Augusta, Georgia.
22. Twelve months service at the Neuropsychiatric Institute of the University of Illinois including service in child psychiatry.
23. Eighteen months affiliate service including service at the Neuropsychiatric Institute of the University of Illinois and three months in child psychiatry.
24. Affiliate service at Neuropsychiatric Institute of the University of Illinois and service in child psychiatry.
25. Three months service at Veterans Administration Hospital, Downey, Illinois, and service in child psychiatry.
26. Six months service at Veterans Administration Hospital, Hines, Illinois. May include service in child psychiatry.
27. Six months service in child psychiatry.
28. Integrated program including service at Veterans Administration Hospital, Indianapolis General Hospital and Indiana University Medical Center and Affiliated Hospitals, Indianapolis.
29. Integrated program including service at Veterans Administration Hospital, Menninger Sanitarium and Topeka State Hospital, Topeka, Kansas.
30. Four months service at University of Louisville Services, Louisville, Kentucky, and four months service at Cincinnati General Hospital, Cincinnati, Ohio.
31. Three months service at University of Louisville Services, Louisville, Kentucky.
32. Twelve months service at University of Louisville Services. May include four months service at Central State Hospital; four months service at Louisville General Hospital.
33. Four months service at Central State Hospital and service in child psychiatry.
34. Integrated program including service at Tulane University Unit, Charity Hospital, New Orleans, and Veterans Administration Hospitals, New Orleans, and Gulfport, Mississippi.
35. Six months service in child psychiatry and twelve months service at South Louisiana State Hospital.
36. Service in child psychiatry; six months service at Veterans Administration Hospital, Perry Point, Maryland.
37. Three months service in child psychiatry at Johns Hopkins Hospital (Harriet Lane House), Baltimore, Maryland.
38. Twelve months service at Boston State Hospital and service in child psychiatry.
39. Twelve-eighteen months service at Veterans Administration Hospital, Boston (Jamaica Plain), Massachusetts, and six months service in child psychiatry.
40. Integrated program including service at Massachusetts General Hospital and McLean Hospital, Waverly.
41. Twelve months service at University Hospital, Ann Arbor, Michigan.
42. University Hospital, Ann Arbor, Michigan.
43. Three months service Coldwater State Home and Training School, Caro State and Ionia State Hospitals and service in child psychiatry.
44. Six months service in child psychiatry at Children's Hospital, Detroit.
45. Six months service at Receiving Hospital, Children's Hospital, Detroit, and Wayne County General Hospital and Infirmary, Eloise, Michigan.
46. University of Minnesota Hospitals, Minneapolis, Minnesota.
47. Three months service at Rochester State Hospital, Rochester, Minn.
48. Affiliate service at Barnes Hospital, St. Louis and three months at St. Louis State Hospital.
49. Six months service at Barnes Hospital, St. Louis, Missouri.
50. Service at St. Louis State Hospital and St. Louis City Hospital.
51. Service at Lutheran Hospital, Omaha.
52. Service at University of Nebraska Hospital.
53. Affiliate service at University of Nebraska Hospital and Creighton Memorial-St. Joseph Hospital, Omaha, Nebraska.
54. Six months service at Newark City Hospital; three months at New Jersey State Hospital and three months in child psychiatry.
55. Three months service at Albany Hospital, Albany, New York.
56. Affiliate services at Edward J. Meyer Memorial Hospital and Buffalo State Hospital.
57. Six months service at King's County Hospital, Brooklyn, New York.
58. Integrated program with service at Bellevue Hospital Center and University Hospital.
59. Six months service at Mount Sinai Hospital, New York City.
60. Service in child psychiatry. May include six months service at Mount Sinai Hospital and three months at Manhattan State Hospital.
61. Twelve months service at New York Hospital and four months at Veterans Administration Hospital, New York City (Bronx), New York.
62. Three months service at Grasslands, Rockland State, Albany Hospitals and Letchworth Village.
63. Six months service at Rochester State Hospital, Rochester, New York.
64. Six months service at Strong Memorial-Rochester Municipal Hospitals, Rochester.
65. Affiliate service at Strong Memorial-Rochester Municipal Hospitals.
66. Three months service at Syracuse Memorial, Binghamton, Syracuse and Willard State Hospitals, service at Craig Colony and service in child psychiatry.
67. Affiliate service at State Hospitals at Raleigh and Butner, North Carolina.
68. Eighteen months service at Duke Hospital, Durham, North Carolina.
69. Three months service at Longview State and Jewish Hospitals, Cincinnati.
70. Integrated program including service at Cleveland Clinic and Windsor Hospital.
71. Integrated program including service at University Hospital and Veterans Administration Hospital, Cleveland, Ohio.
72. Integrated program with service at Institute of the Pennsylvania Hospital and Pennsylvania Hospital Department for Mental and Nervous Diseases.
73. Affiliate services at Temple University Hospital, Institute of Pennsylvania, Hospital of the Woman's Medical College of Pennsylvania.

Numerical and other references will be found on page 363.

PSYCHIATRY PROGRAM IDENTIFICATION—Continued

74. Six months service at Philadelphia General Hospital and service in child psychiatry.
75. Two months affiliate service for institutional care.
76. Integrated program including service at Vanderbilt University Hospital, Veterans Administration Hospital, Nashville, Veterans Administration Hospital, Murfreesboro, and Central State Hospital, Nashville.
77. Four months affiliate service at St. Mary's Infirmary, Galveston, Texas.
78. Service in child psychiatry at Jefferson Davis Hospital, Houston, Texas.
79. Six months affiliate service at Veterans Administration Hospital, Salt Lake City, Utah, and affiliate services at State Hospital, Provo, Utah.
80. Integrated program including service at University of Virginia Hospital, Charlottesville and Veterans Administration Hospital, Roanoke, Va.
81. Affiliate service at Southwestern State Hospital, Marion and Lynchburg State Colony, Lynchburg, Va.
82. Six months service at Medical College of Virginia—Hospital Division, Richmond, and service in child psychiatry.
83. Six months service at Veterans Administration Hospital, American Lake, Washington, and six months in child psychiatry.

24. PULMONARY DISEASES

The following services have been approved for one year of training by the Council and the Subspecialty Board for Pulmonary Diseases of the American Board of Internal Medicine.

Hospitals, 105; Assistant Residencies and Residencies, 381

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Fitzsimons Army Hospital [1]	Denver	C. W. Tempel	1,564	11	..	..	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE							
Freedmen's Hospital [1-3]	Washington, D. C.	H. M. Payne	166	5	1	3	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	K. Smith	1,526	51	..	1	...
Veterans Admin. Hospital	Baltimore	R. L. McLean	...	..	..	..	...
Veterans Admin. Hospital [1-3]	Rutland Heights, Mass.	S. T. Allison	1,361	35	1	1	...
Veterans Admin. Hospital [1-3]	Minneapolis	W. W. Stead	627	32	1	1	...
Veterans Admin. Hospital [1-3]	Excelsior Springs, Mo.	R. K. Smith	661	8	3	12	...
Veterans Admin. Hospital [1-3]	Albuquerque, N. Mex.	J. W. Berry	681	25	1	1	...
Veterans Admin. Hospital [1-3]	Castle Point, N. Y.	C. J. Kaufman	1,007	31	2	2	...
Veterans Admin. Hospital [1-3]	Sunmount, N. Y.	J. W. Raleigh	996	10	2	2	...
Veterans Admin. Hospital [1-3]	Oteen, N. C.	W. S. Schwartz	4,501	26	6	6	...
Veterans Admin. Hospital [1-3]	Brecksville, Ohio	J. A. O'Hale	758	14	1	1	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	S. Phillips	656	10	2	2	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)					
Veterans Admin. Hospital [1-3]	McKinney, Texas	D. O. Shields	481	6	2	4	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	K. Plummer	688	10	..	2	...
Veterans Admin. Hospital [1-3]	Madison, Wis.	J. K. Curtis	790	17	5	8	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	R. A. Hemphill	398	28	1	1	...
NONFEDERAL							
City of Hope National Medical Center [1-3]	Duarte, Calif.	L. Tepper	219	7	4	4	400
Arroyo-Del-Valle [1-3]	Livermore, Calif.	J. T. Duncan	646	2	1	1	195
Barlow Sanatorium [1-3]	Los Angeles	H. W. Bosworth	221	..	2	2	100
Bret Harte Sanatorium	Murphys, Calif.	C. N. Reese	657	12	1	1	...
San Diego County General Hospital [1-3]	San Diego, Calif.	B. J. Comer	352	14	1	3	150
San Francisco Hospital							
Stanford University Service	San Francisco	H. C. Hinshaw	433	9	1	2	175
University of California Service [3]	San Francisco	S. M. Farber	477	16	1	2	175
Santa Clara County Hospital	San Jose, Calif.	M. Manson	205	20	1	3	...
Fairmont Hospital of Alameda County [1-3]	San Leandro, Calif.	J. L. Eaton	433	6	1	1	195
Tulare-Kings Counties Hospital [1-3]	Springville, Calif.	W. A. Winn	528	9	4	4	550
National Jewish Hospital [3]	Denver	S. H. Dressler	590	13	2	5	200
Cedarcrest Hospital	Newington, Conn.	R. C. Edson	643	14	1	1	335
Uncas-on-Thames [1-3]	Norwich, Conn.	N. L. Cressy	859	27	2	2	335
Laurel Heights State Tuberculosis Sanatorium [1-3]	Shelton, Conn.	E. J. Lynch	597	11	2	2	200
District of Columbia General Hospital [1-3]	Washington, D. C.	S. Katz	287	8	1	3	143
Glenn Dale Hospital [1-3]	(P. O. Glenn Dale, Md.) Washington, D. C.	M. Weiss	1,151	21	4	4	338
City of Chicago Municipal Tuberculosis Sanitarium [1-3]	Chicago	L. H. Berard	2,828	55	2	2	175
Peoria Municipal Tuberculosis Sanitarium [1-3]	Peoria, Ill.	D. Morse	191	9	1	1	250
Lake County Tuberculosis Sanatorium [1-3]	Waukegan, Ill.	C. K. Petter	277	8	..	1	250
Indianapolis General Hospital [1-3]	Indianapolis	J. Stygall	477	3	..	1	335
Sunnyside Sanatorium [1-3]	Indianapolis	A. G. Popplewell	375	9	2	2	...
Healthwin Hospital [1]	South Bend, Ind.	E. W. Custer	331	7	1	1	500
Charity Hospital of Louisiana							
Louisiana University State Unit [1]	New Orleans	W. R. Akenhead	327	12	1	3	175
Tulane University Unit [1]	New Orleans	G. E. Burch	384	16	1	3	175
Central Maine Sanatorium [1-3]	Fairfield, Maine	W. B. Grow	259	7	1	1	75
Baltimore City Hospitals [1-3]	Baltimore	E. G. Beacham	390	8	2	3	75
Boston Sanatorium [1-3]	Boston	J. A. Foley	1,069	7	1	5	202
Fall River General Hospital [1-3]	Fall River, Mass.	H. J. McKenna	143	..	1	1	125
Middlesex County Sanatorium [1-3]	Waltham, Mass.	F. P. Dawson	542	12	1	1	445
Westfield State Sanatorium [1-3]	Westfield, Mass.	J. M. Houser	254	6	3	3	490
Worcester City Hospital [3]	Worcester, Mass.	.....	181	10	1	2	215
American Legion Hospital [1-3]	Battle Creek, Mich.	A. Dietrich, Jr.	437	6	1	1	300
Henry Ford Hospital [1-3]	Detroit	E. O. Coates	528	..	1	3	225
Herman Kiefer Hospital [1-3]	Detroit	P. T. Chapman	2,334	64	9	11	505
Michigan State Sanatorium [1]	Howell, Mich.	E. W. Gentles	640	..	4	4	733
Ingham Chest Hospital and Clinic	Lansing, Mich.	C. J. Stringer	170	2	1	2	350
Morgan Heights Sanatorium [1-3]	Marquette, Mich.	J. R. Acocks	145	2	1	1	400
Wm. H. Maybury Sanatorium [1-3]	Northville, Mich.	W. L. Howard	1,459	24	2	2	274
Glen Lake Sanatorium [1-3]	Oak Terrace, Minn.	R. H. Frost	870	23	4	4	241
Mayo Foundation [1-3]	Rochester, Minn.	.....	...	..	..	..	...
Mississippi State Tuberculosis Sanatorium [1-3]	Sanatorium, Miss.	H. Boswell	956	..	2	2	300
Robert Koch Hospital [1-3]	Koch, Mo.	B. Friedman	1,166	10	5	16	267
St. Mary's Group of Hospitals [1-3]	St. Louis	G. O. Broun	211	17	1	1	100
New Jersey Sanatorium for Chest Diseases [1-3]	Glen Gardner, N. J.	J. A. Smith	510	6	5	5	475
B. S. Pollak Hospital for Chest Diseases [1-3]	Jersey City, N. J.	S. Cohen	1,411	29	..	10	167
Bergen Pines County Hospital [1-3]	Paramus, N. J.	R. R. Little	376	36	2	2	200
Essex County Sanatorium [1-3]	Verona, N. J.	A. M. Hicks	757	12	3	5	416
Albany Hospital [1-3]	Albany, N. Y.	R. Erickson	261	15	1	1	...
Kings County Hospital							
County Division [1-3]	Brooklyn	C. E. Hamilton	436	9	2	2	156
Edward J. Meyer Memorial Hospital [1]	Buffalo	D. R. McKay	472	25	..	1	179
Nassau County Tuberculosis Hospital [1-3]	Farmingdale, N. Y.	J. G. Carlton	505	18	6	6	...

Numerical and other references will be found on page 363.

24. PULMONARY DISEASES—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Beginning Stipend (Month)
Hermann M. Biggs Memorial Hospital [1-3]	Ithaca, N. Y.	N. S. Lincoln	487	7	2	2	400
Triboro Hospital	Jamaica, N. Y.	R. H. Bennett	1,540	28	14	14	105
Niagara Sanatorium [1-3]	Lockport, N. Y.	A. N. Aitken	340	9	1	1	296
Mount Morris Tuberculosis Hospital [1-3]	Mt. Morris, N. Y.	F. L. Armstrong	436	22	2	2	400
Bellevue Medical Center Division I—Columbia University [1-3]	New York City	J. B. Amberson	2,797	81	22	30	105
Manhattan General Hospital [1-3]	New York City	J. S. Edlin	747	7	2	6	150
Metropolitan Hospital [1-3]	New York City	I. Epstein	695	19	5	5	104
Montefiore Hospital [1-3]	New York City	R. Bloch	910	26	5	7	75
Morrisiania City Hospital [1-3]	New York City	P. Hurwitz	...	6	1	1	104.58
New York City Hospital [1-3]	New York City	S. Bassin	364	7	1	2	104
St. Joseph's Hospital for Chest Diseases [1-3]	New York City	F. J. McCarthy	446	11	4	4	...
Willard Parker Hospital [1-3]	New York City	H. Alexander	273	3	3	3	157
Homer Folks Tuberculosis Hospital [1-3]	Oneonta, N. Y.	R. Horton	540	14	2	3	400
Ray Brook State Tuberculosis Hospital [1-3]	Ray Brook, N. Y.	F. Beck	651	..	3	3	470
Iola-Monroe County Tuberculosis Sanatorium [1-3]	Rochester, N. Y.	J. M. MacMillan	567	7	6	6	346
Glenridge Sanatorium [1-3]	Schenectady, N. Y.	J. M. Blake	268	5	2	2	150
Sea View Hospital [1-3]	Staten Island, N. Y.	G. G. Ornstein	3,339	34	25	25	157
Grasslands Hospital [1-3]	Valhalla, N. Y.	W. G. Childress	551	23	3	7	175
Duke University Hospital [1-3]	Durham, N. C.	E. E. Menefee	140	1	..	1	250
North Carolina Sanatorium for the Treatment of Tuberculosis [1-3]	McCain, N. C.	W. M. Peck	1,275	9	2	4	500
City Hospital [1-3]	Cleveland	R. C. McKay	832	26	..	4	379
Benjamin Franklin Hospital [1-3]	Columbus, Ohio	H. I. Humphrey	621	7	1	1	425
Ohio State University Hospitals University Hospital [1-3]	Columbus, Ohio	R. H. Browning	...	..	2	9	...
Ohio Tuberculosis Hospital [1-3]	Columbus, Ohio	R. J. Atwell	311	9	2	8	288
Sunny Acres-Cuyahoga County Tuberculosis Hospital [1-3]	Warrenville, Ohio	H. G. Curtis	875	19	3	3	383
Mahoning Tuberculosis Sanatorium [1-3]	Youngstown, Ohio	H. H. Teitelbaum	310	6	3	3	350
Eagleville Sanatorium [1]	Eagleville, Pa.	J. J. Kirshner	407	3	3	3	...
Pennsylvania State Sanatorium for Tuberculosis No. 3 [1-3]	Hamburg, Pa.	F. R. Lang	991	..	4	6	390
Tuberculosis League Hospital [1-3]	Pittsburgh	C. H. Marcy	481	8	1	1	250
Mont Alto State Sanatorium (Pennsylvania State Sanatorium No. 1) [1]	South Mountain, Pa.	W. A. Gette	1,667	17	2	2	...
Oakville Memorial Sanatorium [1-3]	Oakville, Tenn.	S. C. Carter	497	11	1	2	200
Parkland Memorial Hospital [1-3]	Dallas, Texas	J. O. Armstrong	301	4	1	1	50
Baylor University College of Medicine Affiliated Hospitals Veterans Admin. Hospital [1-3]	Houston, Texas	D. E. Jenkins	1,104	54	2	4	...
Blue Ridge Sanatorium	Charlottesville, Va.	F. B. Stafford	829	5	2	2	375
Firland Sanatorium [1-3]	Seattle	G. H. Hames	1,832	36	2	2	200
Central Washington Tuberculosis Hospital	Selah, Wash.	...	...	..	..	..	...
Muirdale Sanatorium [1]	Milwaukee	A. V. Cadden	1,244	10	..	1	250
Wisconsin State Sanatorium [1]	Statesan, Wis.	E. F. White	198	..	1	1	350
Leahi Hospital [1-3]	Honolulu, T. H.	H. H. Walker	1,011	9	4	4	350

25. RADIOLOGY

The following services have been approved by the Council and the American Board of Radiology, through the Residency Review Committee for Radiology. As indicated in the column "Type of Training," approval has been extended in diagnostic roentgenology (D.R.); roentgenology (Roent.), including diagnostic and therapeutic; therapeutic radiology (Ther. Rad.), and radiology (Rad.), including roentgenology and therapeutic radiology.

Hospitals, 428; Assistant Residencies and Residencies, 1,731

FEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY											
Letterman Army Hospital [1]	San Francisco	P. O. Wells	Rad.	39,159	5,015	...	188	2	6	3	...
Fitzsimons Army Hospital [1]	Denver	F. Y. Leaver	Roent.	59,840	1,969	916	90	..	..	3	...
Army Medical Center [1-3]	Washington, D. C.	E. A. Lodmell—H. L. Berman	Rad.	61,918	10,699	1,872	642	3	9	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	V. A. Isherwood	Roent.	78,067	6,091	199	82	3	9	3	...
Tripler Army Hospital [1]	Honolulu, T. H.	D. T. McCarthy	Roent.	20,591	367	378	89	1	3	3	...
UNITED STATES NAVY											
U. S. Naval Hospital [1]	Oakland, Calif.	C. D. Burroughs	D.R.	36,189	2,220	262	12	..	..	2	...
U. S. Naval Hospital [1]	San Diego, Calif.	J. L. Messersmith	Rad.	109,856	4,854	250	54	..	..	3	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	S. F. Williams	Rad.	31,596	4,225	142	16	1	2	2	...
U. S. Naval Hospital [1]	Chelsea, Mass.	J. L. Hatch	D.R.	22,727	246	1	14	1	2	2	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	C. Gartenlaub	Roent.	61,070	3,547	187	96	..	..	3	...
U. S. Naval Hospital [1]	Philadelphia	G. C. Daughtridge	Roent.	17,438	1,353	150	12	..	..	2	...
UNITED STATES PUBLIC HEALTH SERVICE											
U. S. Public Health Service Hospital [1-3]	New Orleans	G. A. Shipman	D.R.	22,338	.....	...	..	1	3	2	...
U. S. Public Health Service Hospital [1]	Baltimore	I. Lewis	Rad.	16,127	5,035	595	146	1	3	3	...
National Institutes of Health-Clinical Center [1-3]	Bethesda, Md.	T. Hilbish	D.R.	9,847	499	...	..	..	2	1	...
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	W. M. Sennott	Roent.	22,820	2,127	332	..	2	5	2	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE											
Freedmen's Hospital [1-3]	Washington, D. C.	C. W. Kelley	Rad.	27,598	196	310	177	1	2	3	...
VETERANS ADMINISTRATION											
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	W. W. Johnston	D.R.	26,067	.....	...	..	1	3	2	...
Veterans Admin. Hospital [1]	Tuskegee, Ala.	J. J. Peters	D.R.	14,526	.....	...	..	2	2	2	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	F. Isaac	Rad.	57,806	4,733	1,700	1	2	6	3	...

Numerical and other references will be found on page 363.

25. RADIOLOGY—Continued

FEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [3]	Total Residencies Offered [3]	Length of Approved Program (Years)	Beginning Stipend (Month)
Veterans Admin. Hospital [1-3]	Los Angeles	C. W. McClanahan.	Rad.	55,126	11,143	2,260	45	3	8	3	...
Veterans Admin. Hospital [1]	San Francisco	W. W. Saunders....	Roent.	27,481	3,931	141	12	1	3	2	...
Veterans Admin. Hospital [1-3]	Denver	C. F. Ingersoll.....	D.R.	26,837	1,351	54	4	2	6	2	...
Veterans Admin. Hospital	Newington, Conn.	.....	D.R.	12,029	.....	...	..	2	5	1	...
Veterans Admin. Hospital [1-3]	West Haven, Conn.	A. B. Skorneck.....	D.R.	14,198	1,524	...	..	2	4	1	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	S. R. Bersack.....	D.R.	13,014	1,898	139	7	1	3	2	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	I. R. Berger.....	D.R.	15,581	3,625	595	7	1	3	2	...
Veterans Admin. Hospital [1]	Augusta, Ga.	S. M. Roberts.....	D.R.	18,804	1,211	100	3	2	4	2	...
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern University Medical Center)									
Veterans Admin. Hospital [1]	Hines, Ill.	F. L. Hussey.....	Rad.	80,639	13,270	489	59	2	8	3	...
Veterans Admin. Hospital [1]	Indianapolis	(See Indiana University Medical Center and Affiliated Hospitals)									
Veterans Admin. Hospital [1]	Des Moines, Iowa	P. J. Trier.....	Roent.	28,013	1,959	253	2	1	3	2	...
Veterans Admin. Hospital [1-3]	Iowa City	G. S. Lodwick.....	Rad.	15,861	2,252	183	5	2	6	2	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	(See Research and Affiliated Hospitals, Kansas City, Mo.)									
Veterans Admin. Hospital [1-3]	Louisville, Ky.	E. R. Seitz.....	Rad.	41,800	1,372	155	7	1	3	3	...
Veterans Admin. Hospital [1-3]	New Orleans	C. P. Oderr.....	D.R.	15,487	4,017	300	3	2	4	2	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	M. Ginsberg	D.R.	11,137	2,180	28	..	1	1	1	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	E. G. Wissing.....	Roent.	42,104	4,784	173	3	2	6	2	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	(See Wayne University Affiliated Hospitals, Detroit)									
Veterans Admin. Hospital [1-3]	Minneapolis	J. Jorgens.....	Rad.	74,000	3,950	350	40	3	10	3	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	(See Research and Affiliated Hospitals, Kansas City, Mo.)									
Veterans Admin. Hospital [1-3]	St. Louis	S. Kamberg.....	Roent.	3,822	1,568	230	2	2	6	1	...
Veterans Admin. Hospital	East Orange, N. J.	J. R. Nahon.....	D.R.	19,424	2,461	55	2	2	3	1	...
Veterans Admin. Hospital [1-3]	Albany, N. Y.	H. Thomas.....	D.R.	27,174	2,741	101	1	2	6	1	...
Veterans Admin. Hospital [1-3]	Brooklyn	W. Schlein.....	Roent.	27,877	4,516	384	24	1	3	2	...
Veterans Admin. Hospital [1-3]	Buffalo	K. Flachs	Roent.	19,500	2,340	150	..	1	2	2	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	J. Stein.....	Rad.	65,759	11,855	455	131	3	9	3	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	A. T. Hornsby.....	D.R.	22,104	1,170	17	48	1	3	1	...
Veterans Admin. Hospital [1-3]	Cleveland	M. D. Sachs.....	Rad.	34,976	3,765	197	4	2	6	3	...
Veterans Admin. Hospital [1]	Oklahoma City	(See University of Oklahoma Affiliated Hospitals)									
Veterans Admin. Hospital [1-3]	Portland, Ore.	K. C. Hardesty.....	Roent.	19,800	3,894	163	6	1	2	3	...
Veterans Admin. Hospital [1-3]	Philadelphia	G. T. Wohl.....	Rad.	20,916	2,853	102	9	..	4	3	...
Veterans Admin. Hospital [1]	Pittsburgh	S. Lewis.....	D.R.	21,092	5,550	170	..	1	1	1	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	B. E. Greenberg....	Rad.	42,662	2,949	65	55	2	4	2	...
Veterans Admin. Hospital [1]	Nashville, Tenn.	D. E. Sherman.....	Roent.	21,206	2,223	373	15	1	3	2	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	W. L. De Ginder....	Rad.	16,211	1,487	203	39	3	6	3	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)									
Veterans Admin. Hospital [1-3]	McKinney, Texas	B. K. Lovell.....	Rad.	27,364	2,287	280	40	2	4	3	...
Veterans Admin. Hospital	Salt Lake City	(See University of Utah Affiliated Hospitals)									
Veterans Admin. Hospital [1]	White River Junction, Vt.	N. W. Loud.....	Roent.	26,717	766	27	..	1	2	2	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	H. Goodman.....	Roent.	25,971	3,575	122	12	1	3	2	...
Veterans Admin. Hospital [1-3]	Martinsburg, W. Va.	H. Litwer.....	D.R.	29,900	1,090	5	..	1	2	1	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	T. J. Pfeffer.....	Roent.	37,951	7,040	842	10	1	3	2	...
Veterans Admin. Hospital [3]	San Juan, P. R.	L. Ehrlich.....	D.R.	7,711	.....	...	27	1	2	2	...

NONFEDERAL

University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	M. B. Carter.....	Rad.	24,487	6,172	...	90	2	4	3	108
University Hospital [1-3]	Little Rock, Ark.	I. Meschan.....	Rad.	19,016	6,932	977	59	3	10	3	145
Kern General Hospital [1]	Bakersfield, Calif.	J. W. Birsner.....	D.R.	29,965	1,048	175	24	1	3	2	325
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	H. P. Brean.....	D.R.	13,313	.....	1,694	15	1	2	2	175
San Joaquin General Hospital [1-3]	French Camp, Calif.	A. Cove.....	D.R.	.....	.....	...	1,614	1	1	2	235
General Hospital of Fresno County [1]	Fresno, Calif.	C. L. Ould.....	D.R.	15,865	984	1,085	..	1	1	1	300
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	H. J. Prichard— G. Beckstrand....	Rad.	12,789	5,503	...	..	1	3	3	150
Cedars of Lebanon Hospital [1-3]	Los Angeles	E. Freedman.....	Rad.	11,363	5,981	...	28	2	5	3	150
Hospital of the Good Samaritan	Los Angeles	J. D. Camp.....	Rad.	31,385	.....	...	59	2	2	3	...
Los Angeles County General Hospital [1]	Los Angeles	G. Jacobson.....	Rad.	91,704	10,185	1,496	324	2	10	3	200
Presbyterian Hospital-Olmsted Memorial [1-3]	Los Angeles	C. C. Benz— W. H. Brown.....	D.R.	13,048	2,570	...	18	1	1	1	125
Queen of Angels Hospital [1-3]	Los Angeles	L. S. Goin.....	Rad.	15,032	1,852	308	..	1	3	3	150
White Memorial Hospital [1-3]	Los Angeles	W. L. Stilson.....	Rad.	11,565	4,108	682	85	2	6	3	146
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	H. H. Jensen.....	Rad.	22,124	2,985	...	25	1	3	3	195
Collis P. and Howard Huntington Memorial Hospital [1-3]	Pasadena, Calif.	R. S. Harrison— W. B. Hill.....	D.R.	10,751	1,627	...	..	1	2	2	240
Sutter General Hospital [1-3]	Sacramento, Calif.	C. E. Grayson.....	Rad.	10,089	13,401	3,086	32	..	2	2	247
San Diego County General Hospital [1-3]	San Diego, Calif.	E. L. Whitehead....	Rad.	19,659	1,838	159	24	1	2	3	150
Children's Hospital [1-3]	San Francisco	G. G. King.....	Roent.	6,554	1,162	63	22	1	1	1	125
Mount Zion Hospital [1-3]	San Francisco	J. Levitin.....	D.R.	12,972	1,300	126	12	1	1	2	...
St. Francis Memorial Hospital [1-3]	San Francisco	A. A. De Lorimier..	Rad.	16,872	3,557	1,378	26	1	1	2	250
St. Mary's Hospital [1-3]	San Francisco	C. S. Capp.....	Roent.	14,029	1,450	362	11	1	2	2	150
San Francisco Hospital Stanford University Service	San Francisco	L. H. Garland.....	Roent.	.....	.....	...	..	..	2	2	175
University of California Service [3]	San Francisco	A. J. Williams.....	Roent.	38,134	2,151	...	57	..	2	2	175
Stanford University Hospitals [1-3]	San Francisco	H. S. Kaplan.....	Rad.	14,634	4,215	168	135	2	7	3	80
University of California Hospital [1-3]	San Francisco	R. S. Stone.....	Rad.	28,415	9,799	445	142	..	6	3	87
Santa Clara County Hospital [1]	San Jose, Calif.	J. J. McCort.....	Roent.	11,037	1,410	258	12	1	2	2	...
St. John's Hospital	Santa Monica, Calif.	T. E. Havel.....	D.R.	9,013	1,843	220	16	1	1	1	175
Harbor General Hospital [1-3]	Torrance, Calif.	J. H. Woodruff.....	Rad.	32,844	1,792	431	34	2	6	3	200
Glockner-Penrose Hospital [1-3]	Colorado Springs, Colo.	J. McMullen— J. Del Regato....	Roent.	18,816	7,689	1,176	2	3	4	3	200
St. Francis Hospital [1-3]	Colorado Springs, Colo.	V. L. Bolton.....	Roent.	5,190	1,075	512	11	1	1	2	175
General Rose Memorial Hospital [1]	Denver	J. H. Weiss— M. H. Levine.....	D.R.	12,526	1,581	...	10	1	1	1	160
Presbyterian Hospital [1-3]	Denver	K. D. A. Allen.....	Rad.	10,141	5,773	100	69	1	3	3	150
St. Joseph's Hospital [1-3]	Denver	E. J. Meister.....	Rad.	10,031	1,539	31	15	1	3	1	150
St. Luke's Hospital [1-3]	Denver	W. P. Stampfli.....	Roent.	12,780	332	2,140	12	2	3	2	150
University of Colorado Medical Center Colorado General Hospital [1-3]	Denver	R. R. Lanier.....	Rad.	25,106	2,625	242	105	3	9	..	150
Denver General Hospital [1-3]	Denver	E. Salzman.....	.....	24,659	988	275	20	..	..	..	...
Bridgeport Hospital [1-3]	Bridgeport, Conn.	J. J. Esposito.....	Rad.	14,975	2,019	...	104	1	2	2	240
Hartford Hospital [1-3]	Hartford, Conn.	R. T. Ogden.....	Rad.	36,676	12,974	...	59	2	4	3	50
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	A. H. Janzen— R. M. Lowman.....	Rad.	51,725	8,211	774	175	3	9	3	50
Hospital of St. Raphael [3]	New Haven, Conn.	R. Shapiro.....	Rad.	18,805	5,610	403	6,013	2	6	3	125
St. Mary's Hospital [1-3]	Waterbury, Conn.	K. R. Kaess.....	Roent.	18,006	1,926	...	24	1	3	1	225
Waterbury Hospital [1]	Waterbury, Conn.	J. M. James.....	Roent.	14,678	1,827	...	35	1	2	2	225

Numerical and other references will be found on page 363.

25. RADIOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
Delaware Hospital [1-3]	Wilmington, Del.	W. W. Lattomus...	Rad.	23,068	3,509	843	169	1	3	3	180
Central Dispensary and Emergency Hospital [1]	Washington, D. C.	J. E. Wissler.....	Rad.	14,987	2,233	307	9	1	3	3	200
District of Columbia General Hospital [1-3]	Washington, D. C.	S. Newman.....	D.R.	41,131	984	48	32	2	4	2	143
Doctors Hospital [1-3]	Washington, D. C.	F. O. Coe.....	Rad.	21,757	8,702	1,563	77	1	2	3	...
Garfield Memorial Hospital [1-3]	Washington, D. C.	A. O. Hampton....	Rad.	14,730	5,732	740	15	2	5	3	200
Georgetown University Hospital [3]	Washington, D. C.	W. Baensch	Rad.	19,739	4,984	...	20	3	8	3	20
George Washington University Hospital [1-3]	Washington, D. C.	W. Stanbro.....	Roent.	21,170	5,802	253	2	..	4	3	150
Duval Medical Center [1-3]	Jacksonville, Fla.	I. Isaacs.....	D.R.	16,602	3,039	221	29	1	1	1	150
St. Luke's Hospital [1]	Jacksonville, Fla.	W. S. Rizk.....	D.R.	13,289	.....	...	..	1	1	1	225
Jackson Memorial Hospital [1-3]	Miami, Fla.	H. E. Davis.....	Rad.	48,456	6,624	708	102	3	5	3	75
Mount Sinai Hospital [1-3]	Miami Beach, Fla.	A. G. Levin.....	D.R.	8,553	786	12	25	1	1	1	250
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	R. A. Elmer.....	Rad.	16,904	3,560	75	44	1	2	3	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	L. Long—S. Cline..	D.R.	15,807	4,094	61	..	1	1	1	...
Grady Memorial Hospital [1-3]	Atlanta, Ga.	H. S. Weens.....	Rad.	43,218	7,174	583	67	2	6	3	20
Piedmont Hospital [1]	Atlanta, Ga.	E. G. Smith, Jr....	D.R.	6,787	385	385	30	1	1	1	160
University Hospital [1-3]	Augusta, Ga.	L. P. Holmes.....	Rad.	22,821	1,678	185	4	2	4	3	160
Emory University Hospital [1]	Emory University, Ga.	T. F. Leigh.....	Rad.	20,747	.....	8,141	77	1	3	3	190
Augustana Hospital [1-3]	Chicago	D. S. Beilin.....	Roent.	13,346	2,301	...	..	1	3	3	150
Cook County Hospital [1-3]	Chicago	G. M. Landau.....	Rad.	95,034	16,911	3,023	98	11	11	3	...
Englewood Hospital [3]	Chicago	A. J. Rosenblate...	Roent.	7,737	889	...	..	1	1	1	200
Grant Hospital [1-3]	Chicago	A. M. Pantone.....	D.R.	9,434	1,489	...	..	1	1	1	225
Illinois Central Hospital [1-3]	Chicago	R. R. Lough— R. C. Crain.....	Rad.	28,606	3,875	313	15	1	1	2	200
Illinois Masonic Hospital [1-3]	Chicago	J. H. Gilmore.....	Rad.	20,423	2,409	209	45	1	1	3	115
Mercy Hospital [1-3]	Chicago	W. W. Furey.....	Rad.	17,324	10,408	987	150	1	1	2	100
Michael Reese Hospital [1-3]	Chicago	B. Levine— E. Uhlmann.....	Rad.	35,359	6,000	65	2,341	4	8	3	75
Mount Sinai Hospital [1-3]	Chicago	J. Arendt.....	Roent.	22,636	5,038	485	21	3	6	2	100
Northwestern University Medical Center											
Chicago Wesley Memorial Hospital [1-3]	Chicago	A. H. Cannon.....	Rad.	37,914	3,273	75	78	1	4	3	50
Passavant Memorial Hospital [1-3]	Chicago	R. B. Lewis.....	Roent.	15,494	2,600	100	125	2	2	3	50
Veterans Admin. Research Hospital [1-3]	Chicago	W. Moss— G. Cailleteau	Roent.	13,095	3,521	173	7	9	9	2	...
Evanston Hospital [1-3]	Evanston, Ill.	R. G. Willy.....	Rad.	28,425	5,508	269	42	2	4	3	50
Presbyterian Hospital [1]	Chicago	F. H. Squire.....	Rad.	40,349	2,911	1,329	44	2	4	3	125
Ravenswood Hospital [1-3]	Chicago	D. L. Jenkinson....	Roent.	11,470	2,082	206	..	1	2	3	85
St. Anne's Hospital [1-3]	Chicago	R. M. Cassidy.....	D.R.	18,540	3,490	275	34	1	2	2	200
St. Bernard's Hospital [1-3]	Chicago	B. C. Cushway- K. Lewis.....	Rad.	2,816	2,400	416	120	1	2	2	200
St. Luke's Hospital [1-3]	Chicago	E. H. Jenkinson....	Rad.	5,089	.....	...	9	2	6	3	50
University of Chicago Clinics [1-3]	Chicago	P. C. Hodges.....	Rad.	38,974	17,052	600	95	4	12	3	175
University of Illinois Research and Educational Hospitals [1]	Chicago	R. A. Harvey.....	Rad.	66,755	12,769	...	52	3	7	3	...
St. Francis Hospital [1-3]	Evanston, Ill.	A. C. Ledoux.....	Roent.	27,799	2,875	35	15	1	..	2	175
Little Company of Mary Hospital [1-3]	Evergreen Park, Ill.	W. W. Furey.....	Rad.	36,648	1,765	963	41	3	3	3	150
St. Francis Hospital [1-3]	Peoria, Ill.	P. R. Dirkse- D. F. Anderson...	Roent.	20,555	3,359	403	5	1	2	2	...
Swedish American Hospital	Rockford, Ill.	H. W. Ackerman....	Rad.	11,862	1,401	1,401	176	1	3	1	...
Clinic Hospital [1-3]	Bluffton, Ind.	R. E. Bishop.....	Rad.	21,952	2,026	...	20	1	2	2	400
St. Joseph's Hospital [1-3]	Fort Wayne, Ind.	C. H. Warfield.....	Roent.	14,870	2,853	144	..	1	2	2	250
St. Margaret Hospital	Hammond, Ind.	J. F. Larrabee.....	D.R.	16,209	2,440	351	21	1	1	1	300
Indiana University Medical Center Hospitals											
Indianapolis General Hospital [1-3]	Indianapolis	W. A. Tosick.....	Rad.	35,763	3,382	83	43	1	3	2	170
Indiana University Medical Center [1]	Indianapolis	J. A. Campbell.....	Rad.	28,264	6,685	410	84	4	12	3	165
Veterans Admin. Hospital [1]	Indianapolis	H. R. Griffith.....	Roent.	16,793	2,559	247	6	1	3	2	...
Methodist Hospital [1-3]	Indianapolis	H. C. Ochsner.....	Rad.	39,575	3,640	3,357	6,997	1	1	3	273
St. Elizabeth Hospital	Lafayette, Ind.	G. W. Hunsberger..	Roent.	11,262	1,642	229	33	1	3	2	175
Iowa Methodist Hospital [1-3]	Des Moines, Iowa	A. B. Phillips.....	Rad.	13,606	1,432	...	53	1	2	3	150
University Hospitals [1-3]	Iowa City	H. D. Kerr.....	Rad.	58,464	16,837	...	378	2	6	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	G. M. Tice.....	Rad.	26,324	6,882	747	87	1	5	3	125
St. Francis Hospital [1-3]	Wichita, Kan.	J. R. Kline.....	D.R.	17,385	2,938	217	58	1	2	2	275
Wesley Hospital [1-3]	Wichita, Kan.	N. C. Nash.....	Rad.	15,559	3,387	...	..	1	1	1	150
St. Joseph Infirmary [1-3]	Louisville, Ky.	S. E. Johnson.....	Rad.	26,488	5,505	1,834	118	1	3	3	185
University of Louisville Hospitals											
Louisville General Hospital [1-3]	Louisville, Ky.	E. L. Pirkey.....	Rad.	38,503	2,731	...	38	2	6	3	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	E. R. Seitz.....	Rad.	41,800	4,017	300	3	1	3	3	...
Charity Hospital of Louisiana [1]	New Orleans	M. Garcia.....	Rad.	169,388	48,631	3,795	233	5	15	3	100
Ochsner Foundation Hospital [1]	New Orleans	E. H. Little.....	Rad.	47,876	2,930	281	..	2	4	3	200
Southern Baptist Hospital [1]	New Orleans	L. J. Bristow, Jr..	Rad.	22,356	5,185	428	46	1	3	3	225
Touro Infirmary [1]	New Orleans	A. R. Payzant.....	Rad.	27,964	2,643	198	51	1	3	3	160
Confederate Memorial Medical Center [1]	Shreveport, La.	W. Snow.....	Rad.	28,231	6,296	863	84	2	6	3	125
Eastern Maine General Hospital [1]	Bangor, Maine	H. A. Smith.....	Roent.	18,146	2,008	502	13	1	11	2	100
Central Maine General Hospital [1]	Lewiston, Maine	C. F. Miller.....	Roent.	10,627	1,582	148	58	1	2	2	150
Maine General Hospital [1]	Portland, Maine	J. Spencer.....	Rad.	17,822	2,930	57	29	1	2	3	100
Baltimore City Hospitals [1-3]	Baltimore	J. De Carlo.....	D.R.	44,568	845	467	5	1	4	2	75
Johns Hopkins Hospital [13]	Baltimore	R. H. Morgan.....	Rad.	69,296	11,000	...	270	..	8	3	20
Mercy Hospital [1-3]	Baltimore	E. R. Dana.....	Roent.	19,241	1,180	...	29	..	1	1	275
Sinai Hospital [1-3]	Baltimore	J. O. Salik.....	D.R.	17,873	1,112	...	29	1	3	2	110
University Hospital [1-3]	Baltimore	J. M. Dennis.....	Rad.	62,338	7,604	...	113	1	3	3	50
Washington County Hospital	Hagerstown, Md.	S. H. Macht.....	D.R.	13,895	1,792	627	47	1	1	1	250
Beth Israel Hospital [1-3]	Boston	S. A. Robins- F. G. Fleischner..	Rad.	22,778	1,158	130	4	2	5	3	100
Boston City Hospital [1-3]	Boston	M. Ritvo.....	Rad.	81,026	5,909	1,615	38	8	11	3	112
Children's Medical Center [1-3]	Boston	E. B. D. Neuhauser.	Roent.	22,131	.....	...	..	..	2	2	50
Faulkner Hospital [1-3]	Boston	L. E. Hawes.....	Roent.	9,041	1,136	25	..	1	2	2	200
Lahey Clinic [1-3]	Boston	M. I. Smedal.....	Roent.	73,589	12,323	92	504	2	4	3	175
Massachusetts General Hospital [1-3]	Boston	L. L. Robbins.....	Rad.	47,167	15,838	...	135	3	7	3	800
Massachusetts Memorial Hospitals [1-3]	Boston	G. Levene.....	D.R.	35,430	2,194	172	6	1	3	2	50
New England Center Hospital [1-3]	Boston	A. Ettinger.....	D.R.	35,645	2,065	76	6	..	3	2	100
New England Deaconess Hospital [1-3]	Boston	J. H. Marks.....	Roent.	19,664	3,185	123	49	1	3	3	135
Peter Bent Brigham Hospital [1-3]	Boston	M. C. Sosman.....	Rad.	23,940	2,219	...	12	2	9	3	42
St. Elizabeth's Hospital [1-3]	Boston	W. A. Carey.....	D.R.	13,101	867	...	23	1	1	1	125
Cambridge City Hospital [1-3]	Cambridge, Mass.	F. A. Herzan.....	Rad.	14,588	605	...	2	..	1	1	160
Mount Auburn Hospital [1-3]	Cambridge, Mass.	R. Schatzki.....	Roent.	15,677	2,141	159	..	..	3	1	...
Lawrence General Hospital [1-3]	Lawrence, Mass.	G. V. West.....	Roent.	11,572	2,184	225	14	1	3	1	175
Lynn Hospital [1-3]	Lynn, Mass.	H. A. Osgood.....	Roent.	21,680	3,261	...	7	2	2	3	150
Newton-Wellesley Hospital [1-3]	Newton, Mass.	C. Liebman.....	Roent.	13,925	1,253	21	5	1	2	2	170
Salem Hospital [1-3]	Salem, Mass.	S. A. Wilson.....	Roent.	13,154	1,771	445	1	1	3	3	125
Springfield Hospital [1-3]	Springfield, Mass.	R. A. Grugan.....	D.R.	12,508	110	1,581	10	1	1	1	125
Memorial Hospital [1-3]	Worcester, Mass.	W. J. Elliott.....	Roent.	14,643	.....	...	21	1	1	1	200

Numerical and other references will be found on page 363.

25. RADIOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [a]	Total Residencies Offered [a]	Length of Approved Program (Years)	Beginning Stipend (Month)
Mayo Foundation [1-3]	Rochester, Minn.	H. M. Weber	Rad.	259,630	26,912	820	1,516	7	28	3	150
Charles T. Miller Hospital [1]	St. Paul	H. O. Peterson	Rad.	14,612	8,486	...	8,486	1	3	3	185
St. Joseph's Hospital [1-3]	St. Paul	J. P. Medelman	Roent.	13,018	2,523	...	13	1	1	1	162
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	J. W. Barry	Rad.	21,040	1,478	294	38	1	3	3	150
Menorah Medical Center [1-3]	Kansas City, Mo.	D. S. Dann	Roent.	16,116	1,643	411	47	..	1	2	200
Research and Affiliated Hospitals											
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	.....	Roent.	22,706	2,169	103	7	4	10	2	...
Children's Mercy Hospital	Kansas City, Mo.	.....	....	.....	.....	...	..	..	..	..	...
Kansas City General Hospital No. 2 [1-3]	Kansas City, Mo.	I. H. Lockwood	D.R.	14,318	231	...	2	1	2	3	...
Research Hospital [1-3]	Kansas City, Mo.	I. H. Lockwood	Rad.	123,049	10,821	3,607	667	4	12	3	220
Veterans Admin. Hospital [1]	Kansas City, Mo.	A. Wolkin	Rad.	25,067	1,686	116	3	2	6	1	...
St. Joseph Hospital [1-3]	Kansas City, Mo.	C. E. Virden	Rad.	16,141	3,541	35	160	1	1	3	.....
St. Luke's Hospital [1-3]	Kansas City, Mo.	L. A. Scarpellino	Roent.	11,985	2,567	109	48	1	3	3	175
Barnes Hospital [1-3]	St. Louis	H. Wilson	Rad.	61,396	16,852	391	362	..	10	3	100
De Paul Hospital [1-3]	St. Louis	E. C. Ernst, Sr.	Rad	9,931	1,796	225	53	3	4	3	200
Homer G. Phillips Hospital [1-3]	St. Louis	W. E. Allen, Jr.	Rad.	24,964	2,043	108	96	1	4	3	190
Jewish Hospital [1-3]	St. Louis	H. R. Senturia	Rad.	14,136	5,351	372	39	1	1	2	100
St. Louis City Hospital	St. Louis	D. Weir	Rad.	89,313	2,834	...	176	2	6	3	190
St. Luke's Hospital [1]	St. Louis	O. C. Zink	Roent.	10,806	1,580	18	71	1	1	3	200
St. Mary's Group of Hospitals [1-3]	St. Louis	L. Sante	Rad.	27,121	3,902	164	52	1	3	3	100
Creighton Memorial-St. Joseph's Hospital	Omaha	J. F. Kelly, Sr.	Rad.	14,023	1,897	102	41	1	3	3	175
Nebraska Methodist Hospital	Omaha	H. B. Hunt	Rad.	10,510	4,727	951	80	1	4	3	200
St. Catherine's Hospital [1-3]	Omaha	J. F. Kelly, Sr.	Roent.	6,672	412	81	7	1	3	3	...
University of Nebraska Hospital [1-3]	Omaha	H. B. Hunt	Rad.	13,330	2,060	331	68	1	3	3	...
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	L. K. Sycamore	Rad.	23,693	3,160	344	98	1	3	3	188
Atlantic City Hospital [1-3]	Atlantic City, N. J.	R. Bradley	Roent.	9,785	3,328	330	65	1	1	1	200
St. Joseph Mercy Hospital [1-3]	Ann Arbor, Mich.	S. W. Donaldson	Roent.	23,298	1,420	215	28	1	3	3	...
University Hospital [1-3]	Ann Arbor, Mich.	F. J. Hodges	Rad.	51,819	9,912	929	210	4	12	3	145
Leila Y. Post Montgomery Hospital [1]	Battle Creek, Mich.	S. P. Barden	Rad.	6,542	25	...	235	..	..	3	275
Children's Hospital [1-3]	Detroit	W. A. Evans	D.R.	8,483	.....	7	..	..	2	1	...
Grace Hospital [1-3]	Detroit	H. A. Jarre	Rad.	35,477	5,627	1,494	40	1	4	3	225
Harper Hospital [1-3]	Detroit	L. Reynolds	Rad.	26,509	20,752	463	285	3	9	3	225
Henry Ford Hospital [1-3]	Detroit	H. P. Doub	Rad.	69,103	4,532	1,411	76	3	9	3	225
Mount Carmel Mercy Hospital [1-3]	Detroit	J. M. Grace	Roent.	44,198	4,243	163	38	2	4	2	225
Providence Hospital [1-3]	Detroit	W. A. Irwin	Rad.	19,504	.....	...	159	1	3	3	250
Sinai Hospital [1-3]	Detroit	H. Z. Mellins	D.R.	11,300	1,516	36	8	1	2	1	275
Wayne University Affiliated Hospitals											
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	E. E. Levine	Rad.	25,553	4,728	80	4	2	6	2	...
Detroit Memorial Hospital [1-3]	Detroit	.....	.....	.....	.....	...	..	..	..	..	...
Herman Kiefer Hospital [1-3]	Detroit	C. C. Birkelo	D.R.	55,519	.....	...	..	2	2	1	505
Receiving Hospital [1-3]	Detroit	J. E. Lofstrom	Rad.	50,292	5,238	443	35	6	18	2	270
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	J. Zbikowski	D.R.	45,050	1,964	51	12	2	3	2	279
Hurley Hospital [1]	Flint, Mich.	D. R. Limbach	Rad.	56,349	6,329	592	12	2	6	3	325
St. Joseph Hospital [1-3]	Flint, Mich.	.....	D.R.	.....	.....	...	..	..	..	2	...
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	H. C. Jones	Roent.	13,758	3,898	10	42	1	2	2	225
Butterworth Hospital [1-3]	Grand Rapids, Mich.	E. C. Wahby	Rad.	14,343	1,829	122	163	1	2	2	225
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	E. J. Keeffe	D.R.	22,353	2,958	...	33	1	1	2	325
Beyer Memorial Hospital	Ypsilanti, Mich.	W. R. Rekshan	D.R.	14,342	914	20	14	1	1	1	220
Northwestern Hospital [1]	Minneapolis	C. O. Hansen	Roent.	13,117	10,770	624	38	1	1	2	200
Swedish Hospital [1-3]	Minneapol's	L. G. Idstrom	Rad.	32,863	3,851	...	60	1	1	3	200
University of Minnesota Hospitals [1-3]	Minneapolis	L. G. Rigler	Rad.	47,544	11,639	918	158	6	21	3	175
Cooper Hospital [1-3]	Camden, N. J.	P. D. Gilbert	Rad.	25,510	4,612	324	48	1	1	2	200
Hackensack Hospital [1-3]	Hackensack, N. J.	E. J. Ryan	Rad.	14,635	2,538	86	20	1	3	2	125
Jersey City Medical Center [1-3]	Jersey City, N. J.	H. J. Perlberg	Roent.	38,502	10,130	396	195	4	6	3	145
Morristown Memorial Hospital	Morristown, N. J.	F. Reed, Jr.	Roent.	12,093	1,950	191	19	1	1	1	185
Burlington County Hospital [3]	Mt. Holly, N. J.	H. P. Kane	Roent.	7,705	778	83	7	1	1	1	100
Harrison S. Martland Medical Center [1-3]	Newark, N. J.	P. J. Santora	Roent.	15,996	2,308	124	16	1	2	1	162
Hospital of St. Barnabas and for Women and Children [1-3]	Newark, N. J.	P. J. Gianquinto	Roent.	7,863	1,531	334	19	1	2	2	150
Newark Beth Israel Hospital [1-3]	Newark, N. J.	N. J. Furst	Roent.	9,552	4,973	147	68	1	1	2	75
Orange Memorial Hospital [1-3]	Orange, N. J.	W. H. Seward	Roent.	15,968	4,188	1,548	21	1	1	1	150
Mercer Hospital [3]	Trenton, N. J.	M. P. Mains	Roent.	11,850	1,371	...	..	..	1	3	150
Albany Hospital [1-3]	Albany, N. Y.	J. F. Roach	Rad.	24,630	8,246	...	92	2	4	2	...
Brooklyn Hospital [1-3]	Brooklyn	J. H. Wentworth	Rad.	18,610	2,035	225	35	1	3	3	...
Cumberland Hospital [1-3]	Brooklyn	E. Mendelson	D.R.	18,093	.....	...	..	1	3	2	...
Jewish Hospital [1-3]	Brooklyn	S. S. Schwartz	Rad.	23,790	2,485	140	26	2	5	3	75
Kings County Hospital [1-3]	Brooklyn	L. Harrington-A. B. Friedman	Rad.	129,386	10,554	1,048	63	6	8	3	104
Long Island College Hospital [1-3]	Brooklyn	A. L. L. Bell	Rad.	23,000	3,609	30	45	1	3	3	75
Maimonides Hospital [1-3]	Brooklyn	M. Slobodkin	D.R.	25,070	1,477	81	11	..	3	2	75
Methodist Hospital [1-3]	Brooklyn	.....	Roent.	12,267	1,637	38	16	1	2	2	175
Buffalo General Hospital [1-3]	Buffalo	G. J. Culver	Rad.	25,529	7,009	...	102	2	4	3	175
Edward J. Meyer Memorial Hospital	Buffalo	E. G. Eschner	Roent.	33,009	1,242	745	14	1	3	3	179
Roswell Park Memorial Institute [1-3]	Buffalo	W. T. Murphy	Rad.	28,718	.....	...	789	3	10	3	...
Clifton Springs Sanitarium and Clinic [1-3]	Clifton Springs, N. Y.	J. M. Flanagan	Roent.	6,196	863	77	1	..	1	1	100
Flushing Hospital	Flushing, N. Y.	.....	D.R.	.....	.....	...	..	..	..	2	...
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	H. R. Zatzkin	Rad.	29,815	7,995	477	28	1	3	3	225
Queens Hospital Center [1-3]	Jamaica, N. Y.	A. V. Shapiro-L. B. Goldman	Rad.	59,282	4,488	1,380	56	2	4	3	105
Charles S. Wilson Memorial Hospital [1-3]	Johnson City, N. Y.	B. D. Jay	Roent.	21,644	1,805	442	12	1	2	2	200
Mount Vernon Hospital [3]	Mount Vernon, N. Y.	A. Joffe	Roent.	12,300	660	38	13	1	1	2	150
New Rochelle Hospital [1-3]	New Rochelle, N. Y.	J. P. Miller	Roent.	19,830	2,019	40	14	1	2	2	225
Bellevue Medical Center Division III-New York University College of Medicine [1-3]	New York City	M. Poppel	Rad.	131,352	12,308	823	283	14	22	3	71
Beth David Hospital [1-3]	New York City	M. Birnkrant	D.R.	9,765	.....	...	..	1	1	1	...
Beth Israel Hospital [1-3]	New York City	A. J. Bendick	D.R.	15,240	1,955	140	5	2	3	2	125
Bronx Hospital [1-3]	New York City	A. J. Bernstein-J. R. Freid	Roent.	17,353	2,797	271	12	1	2	2	100
Doctors Hospital [1-3]	New York City	A. J. Tillinghast	Roent.	5,418	783	...	..	..	..	2	200
Flower and Fifth Avenue Hospitals [1-3]	New York City	F. J. Borrelli	Rad.	38,666	1,362	276	200	1	3	3	...
Fordham Hospital	New York City	H. Poster	D.R.	28,797	.....	...	7	1	2	1	...
Francis Delafield Hospital [1-3]	New York City	H. Jacox	Rad.	9,039	14,006	349	23	11	12	3	166
French Hospital [1-3]	New York City	E. M. Claiborne	Roent.	10,126	660	...	4	1	1	2	100
Goldwater Memorial Hospital [1-3]	New York City	H. K. Taylor	D.R.	10,808	1,022	83	..	2	2	1	104
Harlem Hospital [1-3]	New York City	I. Arons-I. Landsman	Rad.	68,614	4,637	2,352	19	1	3	2	...
Hospital for Joint Diseases [1-3]	New York City	M. M. Pomeranz	Roent.	25,306	5,158	233	24	1	3	3	...
Lenox Hill Hospital [1-3]	New York City	F. H. Ghiselin	Roent.	31,890	3,514	120	26	1	2	3	180

Numerical and other references will be found on page 363.

25. RADIOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [a]	Total Residencies Offered [a]	Length of Approved Program (Years)	Beginning Stipend (Month)
Lincoln Hospital [1-3]	New York City	R. Feig	Roent.	30,264	343	135	7	1	2	2	105
Memorial Center for Cancer and Allied Diseases [1-3]	New York City	R. Sherman-J. J. Nickson	Rad.	88,161	39,113	...	548	4	21	2	98
Metropolitan Hospital [1-3]	New York City	F. J. Borrelli	D.R.	35,789	.....	...	..	2	3	2	104
Montefiore Hospital [1-3]	New York City	H. Jacobson-J. Fried	Rad.	39,564	11,527	3,450	50	3	8	3	75
Morrisana City Hospital [1-3]	New York City	J. Fierstein	Rad.	21,288	2,429	100	20	1	1	2	105
Mount Sinai Hospital [1-3]	New York City	B. S. Wolf-S. M. Silverstone	Rad.	41,325	7,818	...	100	4	6	3	50
New York City Hospital [1-3]	New York City	P. Strax	D.R.	18,120	.....	.....	...	1	2	2	104
New York Hospital [1-3]	New York City	J. A. Evans	Rad.	80,151	9,995	431	65	4	13	3	34
New York Polyclinic Medical School and Hospital [1-3]	New York City	W. H. Shehadi	Roent.	10,662	1,441	261	27	1	2	2	...
New York University-Bellevue Medical Center University Hospital [1-3]	New York City	M. Poppel	Rad.	21,050	3,113	1,607	153	1	3	3	85
Presbyterian Hospital [1]	New York City	H. W. Jacox	Rad.	103,619	19,418	...	176	4	12	3	208
Roosevelt Hospital [1-3]	New York City	A. A. Dunn	Rad.	114,550	3,180	126	4,961	2	6	3	116
St. Francis Hospital	New York City	J. J. Haggerty	D.R.	10,991	930	75	12	1	2	1	175
St. Luke's Hospital [1-3]	New York City	H. F. Hempel	Rad.	35,335	4,182	...	35	2	6	3	75
St. Vincent's Hospital [1-3]	New York City	F. F. Ruzicka, Jr.	Rad.	84,089	2,717	515	13	2	4	3	100
Sydenham Hospital [1-3]	New York City	J. E. Moseley	Roent.	8,830	101	60	23	1	2	1	105
United Hospital [1-3]	Port Chester, N. Y.	T. West	Roent.	16,951	3,018	29	8	1	1	1	200
Genesee Hospital [3]	Rochester, N. Y.	G. J. Baron	Roent.	20,218	2,200	146	15	1	1	3	75
Rochester General Hospital [1-3]	Rochester, N. Y.	E. F. Merrill-H. Forsyth-A. V. Winchell	Rad.	24,929	5,868	1,127	58	1	3	3	100
St. Mary's Hospital [1-3]	Rochester, N. Y.		Roent.	19,340	710	111	77	1	2	2	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	G. H. Ramsey	Rad.	19,129	5,028	4,002	222	..	9	3	...
Ellis Hospital [1-3]	Schenectady, N. Y.	K. L. Mitton	Roent.	12,675	944	...	33	1	1	1	150
State University of New York Medical Center [1-3]	Syracuse, N. Y.	C. Hale	Roent.	34,314	5,889	...	49	2	6	3	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	A. G. Debbie	Roent.	18,223	2,491	961	27	1	3	3	175
St. John's Riverside Hospital [3]	Yonkers, N. Y.	J. Miller	Roent.	10,809	902	248	15	1	1	2	150
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	E. M. Wood	Rad.	23,930	2,059	88	45	34	89	3	145
Charlotte Memorial Hospital [1]	Charlotte, N. C.	W. C. A. Sternbergh	Roent.	15,446	1,140	71	20	1	2	1	250
Duke University Hospital [1-3]	Durham, N. C.	R. J. Reeves	Rad.	61,283	9,105	590	210	4	11	3	42
Watts Hospital [1-3]	Durham, N. C.	S. P. Perry	D.R.	16,260	2,167	...	24	1	3	2	100
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	J. P. Rousseau	Rad.	24,689	2,637	90	51	1	3	3	125
Bismarck Hospital [3]	Bismarck, N. Dak.	H. M. Berg	Rad.	29,146	1,992	715	57	1	3	3	300
Akron General Hospital [1-3]	Akron, Ohio	C. J. Miller, Jr.	Rad.	15,656	4,263	108	32	1	1	3	250
City Hospital [1-3]	Akron, Ohio	F. T. Moore	Rad.	42,170	10,786	...	..	2	4	3	250
Aultman Hospital [1-3]	Canton, Ohio	S. Larson	Roent.	21,854	2,508	834	44	1	1	2	275
Mercy Hospital [1-3]	Canton, Ohio	T. J. Dodd	D.R.	22,411	3,563	...	56	1	3	3	200
Cincinnati General Hospital [1-3]	Cincinnati	B. Felson	Rad.	44,679	5,712	262	80	4	11	3	50
Good Samaritan Hospital [1-3]	Cincinnati	J. McCarthy	Roent.	25,157	6,142	68	69	1	2	2	175
Jewish Hospital [1-3]	Cincinnati	L. Rosenberg	Rad.	22,397	2,747	813	109	1	3	3	145
City Hospital [1-3]	Cleveland	H. Hauser	Rad.	34,895	3,731	1,200	98	2	8	3	150
Cleveland Clinic Hospital [1-3]	Cleveland	C. R. Hughes	Rad.	106,364	4,000	1,500	60	4	12	3	175
Lutheran Hospital [1-3]	Cleveland	J. A. Groh	Roent.	11,650	2,521	62	9	1	3	3	162
Mount Sinai Hospital [1]	Cleveland	H. Mahrer	Roent.	24,437	3,309	20	21	1	3	3	215
St. Luke's Hospital [1]	Cleveland	D. D. Brannan	Rad.	33,137	4,067	854	28	1	3	3	120
St. Vincent Charity Hospital [1-3]	Cleveland	E. J. O'Malley	Rad.	19,593	1,661	...	25	1	3	3	210
University Hospitals [1-3]	Cleveland	H. L. Friedell	Rad.	49,002	8,029	560	69	2	6	3	125
Ohio State University Hospitals University Hospitals [1-3]	Columbus, Ohio.	S. W. Nelson	Rad.	49,017	15,975	1,202	306	4	12	3	150
Miami Valley Hospital [1-3]	Dayton, Ohio	G. A. Nicoll	Rad.	18,611	2,189	...	45	1	3	3	160
St. Elizabeth Hospital [1]	Dayton, Ohio	R. N. Land	D.R.	19,151	1,616	30	..	1	1	1	...
Huron Road Hospital [1-3]	East Cleveland, Ohio	W. D. Heinrich	Roent.	23,619	2,548	357	31	1	2	2	210
Elyria Memorial Hospital [1-3]	Elyria, Ohio	D. A. Russell	D.R.	10,591	596	...	..	1	1	1	270
Mercy Hospital [1-3]	Toledo, Ohio	M. M. Thompson, Jr.	Rad.	15,881	947	58	25	1	3	3	...
St. Vincent's Hospital [1-3]	Toledo, Ohio	F. C. Curtzwiler	D.R.	36,741	452	...	15	1	1	1	225
St. Elizabeth Hospital [1-3]	Youngstown, Ohio	S. Tamarkin	Roent.	16,366	2,526	160	17	1	1	1	300
Youngstown Hospital [1-3]	Youngstown, Ohio	E. C. Baker	D.R.	35,353	8,774	...	49	1	3	2	175
University of Oklahoma Affiliated Hospital		.....	.....	.....	...	..	..	..	..	3	...
University Hospitals [1-3]	Oklahoma City	P. E. Russo	Rad.	30,564	.....	...	67	3	8	..	85
Veterans Admin. Hospital [1]	Oklahoma City	S. M. Glasser	D.R.	13,211	1,252	159	..	2	4	..	...
Wesley Hospital [1]	Oklahoma City	E. H. Kalmon	D.R.	9,498	2,122	40	42	1	1	..	225
St. John's Hospital [1-3]	Tulsa, Okla.	L. M. Pascucci	Rad.	11,260	1,559	93	..	1	1	3	...
Providence Hospital [1-3]	Portland, Ore.	S. Rees	D.R.	13,688	1,571	...	25	1	3	1	175
St. Vincent's Hospital [1-3]	Portland, Ore.	S. E. Rees	Roent.	13,204	1,307	...	..	1	3	3	175
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	C. T. Dotter	Rad.	40,999	3,088	1,500	29	2	6	3	...
Abington Memorial Hospital [1-3]	Abington, Pa.	J. D. Zulick	Roent.	20,741	3,218	291	179	..	1	3	100
Allentown Hospital [1-3]	Allentown, Pa.	W. C. Troxell	D.R.	14,951	1,780	52	10	..	..	1	225
Sacred Heart Hospital [1-3]	Allentown, Pa.	T. Scarlett-C. L. Mengel	Rad.	10,410	5,028	1,062	560	1	1	3	225
Bryn Mawr Hospital [1-3]	Bryn Mawr, Pa.	R. S. Bromer	Rad.	2,475	4,071	449	165	1	3	3	100
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	C. L. Hinkel	Rad.	16,279	1,421	2,000	41	1	3	3	125
Thomas M. Fitzgerald Mercy Hospital [1-3]	Darby, Pa.	B. P. Widmann-F. K. Alexander	Rad.	11,419	2,172	724	185	1	3	3	100
St. Vincent's Hospital [1-3]	Erie, Pa.	R. D. Bacon	Rad.	13,911	1,419	24	17	1	2	3	100
Albert Einstein Medical Center-Northern Division [1-3]	Philadelphia	J. Gershon-Cohen	Roent.	22,545	.....	...	38	1	3	3	150
Albert Einstein Medical Center-Southern Division [1-3]	Philadelphia	H. Isard	Rad.	13,733	2,806	...	26	3	3	3	150
American Oncologic Hospital [1-3]	Philadelphia	S. G. Castigliano	Ther. Rad.	1,779	6,523	434	69	2	2	3	250
Chestnut Hill Hospital [1-3]	Philadelphia	R. P. Barden	Roent.	8,933	1,648	346	50	1	1	2	200
Episcopal Hospital [1-3]	Philadelphia	H. Fisher	Rad.	21,441	2,539	336	32	2	2	3	150
Frankford Hospital [1-3]	Philadelphia	M. E. Woodruff	D.R.	9,697	375	6	14	5	8	1	250
Germantown Dispensary and Hospital [1-3]	Philadelphia	B. R. Young	Rad.	25,190	3,772	1,258	62	1	4	3	150
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	A. Finkelstein	Rad.	23,388	3,811	663	20	3	10	3	75
Hahnemann Medical College and Hospital [3]	Philadelphia	J. S. Lehman	Rad.	35,145	2,805	179	176	2	5	3	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	E. Pendergrass	Rad.	127,424	3,164	15,234	184	8	24	3	...
Hospital of the Woman's Medical College of Pennsylvania [1-3]	Philadelphia	J. H. Vastine, II	Roent.	8,674	1,470	4	30	1	2	3	200
Jeanes Hospital [1-3]	Philadelphia	E. P. Pendergrass	Rad.	4,683	1,013	35	20	1	1	1	300
Jefferson Medical College Hospital [1-3]	Philadelphia	P. C. Swenson	Rad.	51,321	27,456	865	577	7	13	3	100
Nazareth Hospital [1-3]	Philadelphia	J. S. Fetter	Roent.	17,768	1,790	493	29	1	3	3	200
Pennsylvania Hospital [1-3]	Philadelphia	P. A. Bishop	Rad.	18,412	2,136	320	125	2	2	3	20
Philadelphia General Hospital [1-3]	Philadelphia	B. P. Widmann	Rad.	40,091	12,111	336	207	3	9	3	113
Presbyterian Hospital [1-3]	Philadelphia	E. L. Lame	Rad.	10,921	2,266	145	49	1	3	3	150
Temple University Hospital [1-3]	Philadelphia	W. E. Chamberlain	Rad.	36,746	6,150	108	37	5	15	3	...
Allegheny General Hospital [1]	Pittsburgh	T. V. Childs	Roent.	27,534	4,354	461	43	3	8	2	200

Numerical and other references will be found on page 363.

25. RADIOLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Type of Training	Number of X-Ray Examinations	Number of Deep X-Ray Treatments	Number of Superficial X-Ray Treatments	Number of Radium Treatments	First Year Residencies Offered [3]	Total Residencies Offered [3]	Length of Approved Program (Years)	Beginning Stipend (Month)
Mercy Hospital [1-3]	Pittsburgh	C. R. Perryman	Rad.	32,200	6,668	...	90	2	6	3	175
Montefiore Hospital [1-3]	Pittsburgh	M. Goldsmith	Roent.	15,206	3,860	428	..	2	2	3	125
Pittsburgh Medical Center [1-3]	Pittsburgh	G. W. Grier	Rad.	13,639	1,903	...	..	1	3	3	125
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	G. H. Alexander	Rad.	21,079	2,181	30	23	1	3	3	200
Western Pennsylvania Hospital [1-3]	Pittsburgh	D. H. Rice	Roent.	19,876	3,920	517	46	1	3	2	225
Reading Hospital [1-3]	Reading, Pa.	G. W. Chamberlin	Rad.	13,752	.....	4,500	42	2	6	3	225
St. Joseph's Hospital [1-3]	Reading, Pa.	W. W. Werley-N. Carabello	...., Roent.	10,535	2,172	367	26	1	1	1	250
Robert Packer Hospital [1-3]	Sayre, Pa.	J. T. Littleton	Rad.	31,130	3,194	419	13	2	5	3	150
Sharon General Hospital [1-3]	Sharon, Pa.	H. A. Steiner	Roent.	13,523	1,897	...	1,750	1	1	1	250
Chester County Hospital [1-3]	West Chester, Pa.	J. Gershon-Cohen	Roent.	7,309	2,155	593	4	1	1	1	100
Rhode Island Hospital [1-3]	Providence, R. I.	L. A. Martineau	Roent.	27,559	1,977	343	..	1	2	3	100
Roger Williams General Hospital [1-3]	Providence, R. I.	R. R. Hunt	Roent.	12,101	2,470	617	63	1	1	2	200
Roper Hospital [1-3]	Charleston, S. C.	H. S. Pettitt	Rad.	25,964	5,307	47	52	1	3	3	...
Columbia Hospital [1-3]	Columbia, S. C.	G. W. Smith, Jr.	Roent.	42,800	3,318	123	34	1	1	1	175
Spartanburg General Hospital	Spartanburg, S. C.	H. E. Plenge	Rad.	11,772	2,786	454	82	2	2	3	200
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	C. Reavis	Rad.	20,318	4,024	310	62	2	2	2	...
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	J. E. Whiteleather	Roent.	19,151	2,971	581	40	1	3	3	100
John Gaston Hospital [1-3]	Memphis, Tenn.	C. Heacock	Rad.	36,428	3,033	275	64	2	6	3	35
Methodist Hospital	Memphis, Tenn.	J. C. King	Rad.	21,468	5,199	774	17	2	5	3	100
George W. Hubbard Hospital of Meharry Medical College [1-3]	Nashville, Tenn.	G. J. Tarleton, Jr.	Rad.	995	1,172	118	111	1	3	3	125
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	H. C. Francis	Rad.	23,164	4,568	184	68	3	7	3	50
Brackenridge Hospital [1-3]	Austin, Texas	J. C. Rude	D.R.	33,882	1,219	305	35	1	1	1	200
Baylor University Hospital [1-3]	Dallas, Texas	J. E. Miller	Rad.	24,406	9,183	240	185	2	4	3	125
Methodist Hospital [1-3]	Dallas, Texas	R. H. Millwee	D.R.	11,753	955	72	53	1	1	1	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	R. Clayton	Rad.	30,402	1,791	660	80	2	7	3	50
St. Paul's Hospital [1-3]	Dallas, Texas	G. D. Carlson	Rad.	11,179	1,164	...	47	1	3	2	125
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	R. N. Cooley	Rad.	59,777	7,344	218	60	3	9	3	...
Baylor University College of Medicine Affiliated Hospitals											
Jefferson Davis Hospital [1-3]	Houston, Texas	V. P. Collins	Rad.	58,400	1,122	372	124	2	4	3	...
Methodist Hospital [1-3]	Houston, Texas	C. H. Burge	Rad.	12,912	1,716	...	16	1	3	2	120
Veterans Admin. Hospital [1-3]	Houston, Texas	H. L. Barton	Roent.	35,819	4,948	172	19	2	4	2	...
Hermann Hospital [1]	Houston, Texas	L. M. Vaughan	Rad.	36,999	4,697	176	71	1	4	3	100
St. Joseph's Hospital [1]	Houston, Texas	C. W. Yates	Rad	22,783	2,645	95	33	1	3	3	225
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	G. H. Fletcher	Rad.	10,971	18,198	3,075	396	3	14	3	150
Baptist Memorial Hospital [1-3]	San Antonio, Texas	E. F. Lyon, Jr.	D.R.	11,330	1,946	...	86	1	2	2	150
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	.....	D.R.	.....	.....	...	..	..	..	2	...
Santa Rosa Hospital [3]	San Antonio, Texas	F. E. O'Neill-A. Thaggard	..... D.R.	13,096	1,332	...	126	1	2	2	200
Scott and White Memorial Hospitals [1-3]	Temple, Texas	C. A. Stevenson	Rad.	48,545	5,147	1,064	98	1	3	3	250
University of Utah Affiliated Hospitals		.....	Rad.	.....	.....	...	..	..	..	3	...
Dr. W. H. Groves Latter-Day Saints Hospital [1-3]	Salt Lake City	E. R. Crowder-P. Frederick	....	8,430	492	26	35	1	3	..	200
Holy Cross Hospital [1-3]	Salt Lake City	R. R. Meyer	.....	7,385	1,401	...	14	1	1	..	175
St. Mark's Hospital	Salt Lake City	.....	.....	.....	.....	..	..	..	..	..	...
Salt Lake County General Hospital [1-3]	Salt Lake City	W. R. Christensen	.....	15,595	4,450	227	..	2	6	..	135
Veterans Admin. Hospital	Salt Lake City	J. J. Wolfson	.....	9,008	.....	...	..	..	3	..	...
Bishop De Goesbriand Hospital [1-3]	Burlington, Vt.	F. Van Buskirk	Roent.	10,544	1,333	25	..	1	2	1	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	A. B. Soule, Jr.	Rad.	14,278	3,614	77	80	1	3	3	167
University of Virginia Hospital [1-3]	Charlottesville, Va.	V. W. Archer	Roent.	36,403	8,000	500	50	2	6	3	50
De Paul Hospital [1-3]	Norfolk, Va.	J. Foster	Roent.	12,612	2,545	...	24	3	3	2	200
Norfolk General Hospital [1-3]	Norfolk, Va.	P. B. Parsons	Rad.	13,953	4,418	348	103	2	4	3	125
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	F. B. Mandeville	Rad.	38,450	.....	3,989	121	1	5	3	50
Providence Hospital [1]	Seattle	E. A. Addington	D.R.	14,789	506	227	..	1	2	2	200
Swedish Hospital [1-3]	Seattle	S. T. Cantril	Ther. Rad.	.....	8,161	1,074	182	..	4	3	100
Virginia Mason Hospital [1-3]	Seattle	T. Carlile	Rad.	25,264	2,397	1,795	68	1	3	3	100
Sacred Heart Hospital [1-3]	Spokane, Wash.	M. T. Harris	Rad.	12,537	1,101	16	26	2	2	2	200
St. Mary's Hospital [1-3]	Huntington, W. Va.	H. R. Crews	Roent.	17,498	3,000	611	10	..	1	2	150
Madison General Hospital [1-3]	Madison, Wis.	R. C. Schmitz	D.R.	18,346	1,701	127	32	1	1	1	150
Methodist Hospital [1-3]	Madison, Wis.	W. L. Waskow	Roent.	10,458	1,578	301	127	1	2	2	125
University Hospitals [1]	Madison, Wis.	E. A. Pohle	Rad.	42,181	7,233	194	111	2	6	3	50
Columbia Hospital [1-3]	Milwaukee	S. A. Morton	Rad.	.....	2,686	...	34	..	1	3	195
Evangelical Deaconess Hospital [1-3]	Milwaukee	A. Melamed-A. Marek	..... Roent.	16,419	2,242	246	12	1	1	1	250
Milwaukee County Hospital [1-3]	Milwaukee	J. L. Marks	Rad.	46,408	3,791	508	18	2	6	3	200
Milwaukee Hospital [1-3]	Milwaukee	H. W. Hefke	Rad.	23,085	2,964	...	153	1	3	3	195
St. Joseph's Hospital [1-3]	Milwaukee	G. W. Sengpiel	Roent.	21,325	4,000	...	..	1	2	3	200
St. Luke's Hospital [1-3]	Milwaukee	H. H. Wright	Roent.	13,890	4,429	247	15	1	3	3	275
Gorgas Hospital [1-3]	Ancon, C. Z.	G. F. Lull, Jr.	Roent.	19,905	700	256	5	1	2	2	345
Queen's Hospital [1-3]	Honolulu, T. H.	L. L. Buzaid	Roent.	8,618	1,163	557	7	1	3	3	125
San Juan City Hospital [1-3]	San Juan, P. R.	J. L. Becerra	Roent.	10,998	2,796	...	..	1	1	2	150

26. SURGERY

The following services have been approved for four years of training by the Council, the American Board of Surgery and the American College of Surgeons through the Conference Committee on Graduate Training in Surgery. (See additional lists of approved services, pp. 347-351)

Hospitals, 263; Assistant Residencies and Residencies, 3,232

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
UNITED STATES ARMY							
Letterman Army Hospital [1]	San Francisco	H. T. Berwald	1,065	..	2	8	...
Fitzsimons Army Hospital [1]	Denver	C. S. Lyter	692	9	..	..	...
Army Medical Center [1-3]	Washington, D. C.	R. T. Gants	1,043	6	3	14	...
Brooke Army Hospital [1-3]	San Antonio, Texas	W. F. Bowers	2,108	46	4	16	...
Tripler Army Hospital [1]	Honolulu, T. H.	G. L. Beatty	3,167	17	3	11	...

Numerical and other references will be found on page 363.

26. SURGERY—Continued

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Beginning Stipend (Month)
UNITED STATES NAVY							
U. S. Naval Hospital [1]	Oakland, Calif.	R. S. Silvis	1,554	16	..	..	...
U. S. Naval Hospital [1]	San Diego, Calif.	L. G. Bell	2,993	42	..	..	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	R. B. Brown	2,715	21	2	8	...
U. S. Naval Hospital [1]	Chelsea, Mass.	L. L. Haynes	1,843	12	1	4	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	R. N. Grant	1,634	38	..	..	...
U. S. Naval Hospital [1]	Philadelphia	R. A. Cooper	2,796	29	..	..	...
U. S. Naval Hospital [1-3]	Portsmouth, Va.	C. F. Storey	4,332	15	2	8	...
UNITED STATES PUBLIC HEALTH SERVICE							
U. S. Public Health Service Hospital [1-3]	San Francisco	W. A. Williamson	2,678	15	1	4	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE							
Freedmen's Hospital [1-3]	Washington, D. C.	B. Syphax	1,038	17	8	12	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	C. Lyons	664	14	..	..	...
Veterans Admin. Hospital [1-3]	Little Rock, Ark.	R. J. Lipin	1,492	43	3	8	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	J. A. Weinberg	2,080	32	3	12	...
Veterans Admin. Hospital [1-3]	Los Angeles	J. D. Briggs	2,969	136	10	22	...
Veterans Admin. Hospital [1]	San Francisco	L. G. Brizzolara	1,247	34	4	12	...
Veterans Admin. Hospital [1-3]	Denver	B. Eiseman	2,598	56	5	16	...
Veterans Admin. Hospital	Newington, Conn.	P. W. Fenny	1,192	22	4	11	...
Veterans Admin. Hospital [1-3]	West Haven, Conn.	A. Hurwitz	551	9	6	13	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	J. G. Lee	1,366	41	4	7	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	J. C. Thoroughman	1,730	33	5	14	...
Veterans Admin. Hospital [1]	Hines, Ill.	C. B. Puestow	2,436	172	18	58	...
Veterans Admin. Hospital [1]	Indianapolis	J. C. Finneran	1,166	27	2	5	...
Veterans Admin. Hospital [1]	Des Moines, Iowa	L. T. Palumbo	2,648	36	3	12	...
Veterans Admin. Hospital [1-3]	Iowa City	E. S. Brintnall	1,769	44	6	16	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	C. B. Boeshart	496	31	3	8	...
Veterans Admin. Hospital [1-3]	Louisville, Ky.	J. E. Hamilton	1,234	37	6	18	...
Veterans Admin. Hospital [1-3]	New Orleans	L. K. Richardson	1,215	29	4	10	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	J. M. Miller	1,901	15	2	6	...
Veterans Admin. Hospital [1-3]	Perry Point, Md.	R. T. Shackelford	992	17	2	6	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	H. H. Faxon	2,787	61	8	24	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	C. G. Johnston	3,441	102	8	25	...
Veterans Admin. Hospital [1-3]	Minneapolis	D. J. Ferguson	1,906	52	6	19	...
Veterans Admin. Hospital [1-3]	Kansas City, Mo.	G. A. Higgins	1,989	28	2	8	...
Veterans Admin. Hospital [1-3]	St. Louis	K. B. Coldwater	1,024	22	4	16	...
Veterans Admin. Hospital [1-3]	Omaha	W. P. Kleitsch	1,417	26	4	9	...
Veterans Admin. Hospital	Albuquerque, N. M.	W. A. Childs	.....	..	5	13	...
Veterans Admin. Hospital [1-3]	Albany, N. Y.	J. A. Nelson	1,890	45	4	13	...
Veterans Admin. Hospital [1-3]	Brooklyn	J. J. Cincotti	2,163	34	6	18	...
Veterans Admin. Hospital [1-3]	Buffalo	W. M. Chardack	1,817	56	4	14	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	P. K. Sauer	2,377	47	4	16	...
Veterans Admin. Hospital [1-3]	Cleveland	C. L. Gogbill	1,400	27	8	16	...
Veterans Admin. Hospital [1-3]	Dayton, Ohio	W. G. Eckman	3,971	86	5	18	...
Veterans Admin. Hospital [1]	Oklahoma City	F. A. Quenzer	1,591	58	3	10	...
Veterans Admin. Hospital [1-3]	Portland, Ore.	R. A. Wise	1,614	18	4	16	...
Veterans Admin. Hospital [1-3]	Philadelphia	W. G. Nichols, Jr.	974	59	3	10	...
Veterans Admin. Hospital [1]	Pittsburgh	W. A. Altenhoff	798	46	5	18	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	R. F. Bowers	3,708	42	8	21	...
Veterans Admin. Hospital [1]	Nashville, Tenn.	R. I. Carlson	2,614	43	6	23	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	W. H. Pickett	1,411	41	8	16	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)					
Veterans Admin. Hospital [1-3]	McKinney, Texas	J. P. North	1,563	31	4	10	...
Veterans Admin. Hospital [1-3]	Salt Lake City	J. A. Gubler	1,043	15	2	8	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	(See Dartmouth Medical Center, Hanover, N. H.)					
Veterans Admin. Hospital [1-3]	Richmond, Va.	R. MacDonald	1,700	24	2	8	...
Veterans Admin. Hospital [1-3]	Seattle	J. T. Payne	1,302	76	5	13	...
Veterans Admin. Hospital [1-3]	Milwaukee (Wood)	M. B. Smith	1,563	68	5	16	...

NONFEDERAL

University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	C. Lyons	3,761	39	7	22	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	J. M. Slaughter	1,665	15	3	8	225
University Hospital [1-3]	Little Rock, Ark.	J. H. Growdon	771	24	4	14	145
General Hospital of Fresno County [1]	Fresno, Calif.	F. I. Gilliland	1,281	57	2	6	300
Los Angeles County General Hospital [1]	Los Angeles	L. Brewer, III	4,055	132	8	13	200
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	T. C. Lawson	2,094	48	8	16	195
Kaiser Foundation Hospital [1-3]	Oakland, Calif.	A. L. Baritell	2,157	33	6	12	175
Mount Zion Hospital [1-3]	San Francisco	A. L. Brown	1,599	10	2	6	...
San Francisco Hospital							
Stanford University Service	San Francisco	C. Mathewson	671	16	2	4	175
University of California Service [3]	San Francisco	L. Goldman	1,469	14	4	6	175
Stanford University Hospitals [1-3]	San Francisco	E. F. Holman	2,277	37	3	11	80
University of California Hospital [1-3]	San Francisco	H. G. Bell	1,606	21	4	14	87
Santa Clara County Hospital [1]	San Jose, Calif.	J. B. Miller	1,364	108	1	7	...
Stanford University Service	San Francisco	H. V. Findlay	1,019	10	4	9	140
Harbor General Hospital [1-3]	Torrance, Calif.	S. Pearson	1,275	12	4	14	200
University of Colorado Medical Center							
Colorado General Hospital [1-3]	Denver	H. Swan	1,332	59	4	15	150
Denver General Hospital [1-3]	Denver	D. H. Watkins	1,094	68	..	..	...
St. Vincent Hospital [1-3]	Bridgeport, Conn.	W. Curley, Jr.	6,246	47	2	8	100
Hartford Hospital [1-3]	Hartford, Conn.	P. G. McLellan	5,622	58	9	22	50
New Britain General Hospital [1-3]	New Britain, Conn.	B. B. Clark	2,532	..	1	4	200
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	G. E. Lindskog-C. C. Bishop	5,194	53	4	16	50
Delaware Hospital [1-3]	Wilmington, Del.	C. L. Munson	5,980	75	2	5	180
Memorial Hospital [1-3]	Wilmington, Del.	J. C. Pierson	3,751	27	1	4	175
Central Dispensary and Emergency Hospital [1]	Washington, D. C.	J. H. Lyons	2,571	20	4	10	225
District of Columbia General Hospital [1-3]	Washington, D. C.	B. Blades-R. Coffey	1,457	33	2	8	143
Garfield Memorial Hospital [1-3]	Washington, D. C.	W. W. Chase	1,692	25	1	6	210
Georgetown University Hospital [3]	Washington, D. C.	R. J. Coffey	3,517	60	8	22	20
George Washington University Hospital [1-3]	Washington, D. C.	B. Blades	6,515	35	5	11	150
Providence Hospital [1-3]	Washington, D. C.	L. Goffredi	3,531	49	1	4	200
Jackson Memorial Hospital [1-3]	Miami, Fla.	J. J. Farrell	3,949	68	6	14	75

Numerical and other references will be found on page 363.

26. SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered *	Total Residencies Offered *	Beginning Stipend (Month)
Grady Memorial Hospital [1-3]	Atlanta, Ga.	I. A. Ferguson	3,963	57	12	29	20
Piedmont Hosptial [1]	Atlanta, Ga.	F. W. McRae	3,131	17	1	4	160
University Hospital [1-3]	Augusta, Ga.	J. H. Sherman	2,623	18	2	6	160
Emory University Hospital [1]	Emory University, Ga.	J. D. Martin, Jr.	4,464	21	6	7	100
Cook County Hospital [1-3]	Chicago	K. A. Meyer	15,427	155	20	20	...
Mercy Hospital [1-3]	Chicago	H. A. Oberhelman	2,079	9	4	10	100
Michael Reese Hospital [1-3]	Chicago	N. N. Crohn	2,720	30	2	6	50
Mount Sinai Hospital [1-3]	Chicago	L. J. Aries	3,921	30	2	5	100
Northwestern University Medical Center							
Chicago Wesley Memorial Hospital [1-3]	Chicago	W. G. Maddock	3,122	52	2	7	50
Passavant Memorial Hospital [1-3]	Chicago	L. Davis	1,523	15	3	3	50
Veterans Admin. Research Hospital [1]	Chicago	(See listing of Veterans Administration Research Hospital on Page 349)					
Evanston Hospital [1-3]	Evanston, Ill.	(See listing of Evanston Hospital in following section)					
Presbyterian Hospital [1]	Chicago	E. J. Beattie, Jr.	2,697	43	6	12	125
St. Luke's Hospital [1-3]	Chicago	W. E. Van Hazel	3,133	38	8	16	50
University of Chicago Clinics [1-3]	Chicago	L. R. Dragstedt	2,635	110	6	18	175
University of Illinois Research and Educational Hospitals [1]	Chicago	W. H. Cole	1,490	40	6	15	...
Indianapolis General Hospital [1-3]	Indianapolis	F. W. Taylor	1,684	24	2	8	165
Indiana University Medical Center [1]	Indianapolis	H. B. Shumacker, Jr.	1,188	50	5	14	165
Iowa Methodist Hospital [1-3]	Des Moines, Iowa	T. D. Throckmorton	3,546	35	2	6	150
University Hospitals [1-3]	Iowa City	R. T. Tidrick	2,660	98	8	22	113
University of Kansas Medical Center [1-3]	Kansas City, Kan.	F. Allbritten	1,305	59	4	17	125
Louisville General Hospital [1-3]	Louisville, Ky.	R. J. Noer	1,946	41	6	20	83
Charity Hospital of Louisiana							
Independent Unit [1]	New Orleans	L. J. O'Neil	2,110	53	3	9	100
Louisiana State University Unit [1]	New Orleans	J. D. Rives	3,199	92	5	19	100
Tulane University Unit [1]	New Orleans	A. Ochsner	3,172	100	5	19	100
Confederate Memorial Medical Center [1]	Shreveport, La.	P. D. Abramson	2,311	53	6	16	125
Maine General Hospital [1]	Portland, Maine	I. M. Webber	1,792	..	2	8	100
Baltimore City Hospitals [1-3]	Baltimore	O. C. Brantigan	1,795	40	6	18	75
Church Home and Hospital [1-3]	Baltimore	C. R. Edwards	3,616	20	3	7	200
Franklin Square Hospital [1-3]	Baltimore	H. E. Wilgis	2,897	11	3	6	225
Johns Hopkins Hospital [1-3]	Baltimore	A. Blalock	3,315	75	..	11	20
Mercy Hospital [1-3]	Baltimore	W. D. Wise	4,387	37	2	6	225
Sinai Hospital [1-3]	Baltimore	A. M. Seligman	2,559	19	3	11	110
Union Memorial Hospital [1-3]	Baltimore	G. G. Finney	5,207	43	4	8	115
University Hospital [1-3]	Baltimore	C. R Edwards	3,139	36	6	19	50
Beth Israel Hospital [1-3]	Boston	J. Fine	2,206	30	4	12	42
Boston City Hospital							
I—Surgical Service [1-3]	Boston	C. G. Childs, III	2,780	29	8	20	112
III—Surgical Service [1-3]	Boston	J. J. Byrne	2,717	33	8	20	112
V—Surgical Service [1-3]	Boston	C. C. Lund	2,585	73	8	20	112
Carney Hospital [1-3]	Boston	W. E. Browne-A. M. Fraser	3,933	38	4	9	125
Massachusetts General Hospital [1-3]	Boston	E. D. Churchill	6,625	113	8	25	800
Massachusetts Memorial Hospitals [1-3]	Boston	R. Smithwick	1,708	29	5	28	25
New England Center Hospital [1-3]	Boston	A. A. Thibodeau	2,162	31	6	16	83
Peter Bent Brigham Hospital [1-3]	Boston	F. D. Moore	3,126	83	6	21	25
St. Elizabeth's Hospital [1-3]	Boston	J. W. Spellman	5,354	31	3	8	125
Quincy City Hospital [1-3]	Quincy, Mass.	J. M. McGowan	2,585	37	1	3	103
Springfield Hospital [1-3]	Springfield, Mass.	J. L. Smead	6,291	61	6	14	100
Memorial Hospital [1-3]	Worcester, Mass.	B. C. Wheeler	2,019	32	3	6	200
St. Vincent Hospital [1-3]	Worcester, Mass.	E. L. Richmond	5,588	32	3	7	175
St. Joseph Mercy Hospital [1-3]	Ann Arbor, Mich.	E. T. Thieme	1,894	23	4	7	200
University Hospital [1-3]	Ann Arbor, Mich.	F. A. Coller	2,266	79	14	29	145
Grace Hospital [1-3]	Detroit	R. P. Reynolds	8,817	118	4	16	225
Harper Hospital [1-3]	Detroit	E. A. Osius	3,980	46	12	21	225
Henry Ford Hospital [1-3]	Detroit	L. S. Fallis	9,525	115	20	50	225
Receiving Hospital [1-3]	Detroit	C. G. Johnston	5,461	139	6	22	270
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	W. L. Sherman	7,000	103	4	14	279
Hurley Hospital [1]	Flint, Mich.	G. J. Curry	6,524	39	2	8	325
Butterworth Hospital [1-3]	Grand Rapids, Mich.	M. M. Tidey	7,057	45	2	7	225
Highland Park General Hospital [1-3]	Highland Park, Mich.	W. McClure	1,587	14	2	8	308
Minneapolis General Hospital [1-3]	Minneapolis	O. J. Campbell	876	72	6	14	182
University of Minnesota Hospitals [1-3]	Minneapolis	O. H. Wagensteen	1,700	114	6	29	162
Mayo Foundation [1-3]	Rochester, Minn.	.....	12,582	135	55	163	150
Ancker Hospital [1-3]	St. Paul	V. P. Hauser	1,792	87	2	8	181
Charles T. Miller Hospital [1]	St. Paul	W. P. Ritchie	1,387	12	1	3	185
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	R. R. Coffey	1,073	32	2	8	150
Barnes Hospital [1-3]	St. Louis	C. A. Moyer	2,812	75	15	29	50
Homer G. Phillips Hospital [1-3]	St. Louis	R. Elman	2,732	87	16	28	190
Jewish Hospital [1-3]	St. Louis	M. D. Pareira	2,763	32	4	8	100
Missouri Pacific Hospital [1]	St. Louis	R. A. Weir	3,707	28	4	10	200
St. Louis City Hospital [1-3]	St. Louis	C. A. McFee-L. V. Mulligan	3,138	58	4	15	190
St. Mary's Group of Hospitals [1-3]	St. Louis	C. R. Hanlon	2,746	57	4	13	100
Creighton Memorial-St. Joseph's Hospital	Omaha	H. H. McCarthy	4,281	45	2	6	175
University of Nebraska Hospital [1-3]	Omaha	H. H. Davis	513	14	2	8	...
Dartmouth Medical Center	Hanover, N. H.	.....	2,057	42	5	17	...
Mary Hitchcock Memorial Hospital	Hanover, N. H.	R. E. Wiseman	.....	..	..	..	...
Veterans Admin. Hospital	White River Junction, Vt.	W. B. Crandell	.....	..	..	..	...
Newark Beth Israel Hospital [1-3]	Newark, N. J.	E. V. Parsonnet	5,815	50	1	4	75
Albany Hospital [1-3]	Albany, N. Y.	E. H. Campbell	3,308	67	4	11	...
Brooklyn Hospital [1-3]	Brooklyn	W. H. Field	2,895	..	4	10	...
Coney Island Hospital [1-3]	Brooklyn	J. E. Hammett	2,464	38	2	8	105
Jewish Hospital [1-3]	Brooklyn	L. Berger	3,741	29	5	8	75
Kings County Hospital							
University Service [1-3]	Brooklyn	C. Dennis	4,105	57	5	14	104
Long Island College Hospital [1-3]	Brooklyn	E. J. Browder	2,804	32	2	6	75
Maimonides Hospital [1-3]	Brooklyn	C. B. Ripstein	3,019	32	5	13	35
Methodist Hospital [1-3]	Brooklyn	C. D. Sawyer	2,126	29	2	5	175
Wyckoff Heights Hospital [1-3]	Brooklyn	P. Zoller	2,130	8	3	12	100
Buffalo General Hospital [1-3]	Buffalo	J. R. Paine	3,275	52	4	13	175
Edward J. Meyer Memorial Hospital [1]	Buffalo	J. D. Stewart	1,091	55	2	10	179
Millard Fillmore Hospital [1-3]	Buffalo	H. N. Kenwell	4,165	25	3	10	255
Sisters of Charity Hospital [1-3]	Buffalo	J. C. Brady	9,950	71	2	8	210
Mary Imogene Bassett Hospital [1-3]	Cooperstown, N. Y.	M. A. McIver	1,251	15	1	4	145
Flushing Hospital and Dispensary [1-3]	Flushing, N. Y.	C. N. Baker	4,839	26	1	3	150
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	J. N. Shell	2,180	76	3	10	225
Queens Hospital Center [1-3]	Jamaica, N. Y.	O. L. Davidson	3,275	132	2	6	105

Numerical and other references will be found on page 363.

26. SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [2]	Total Residencies Offered [2]	Beginning Stipend (Month)
Nassau Hospital [1-3]	Mineola, N. Y.	W. Freese	3,309	15	1	4	170
Bellevue Medical Center							
Division I-Columbia University [1-3]	New York City	K. Lewis	2,015	22	6	13	105
Division II-Cornell University [1-3]	New York City	C. W. Holman	2,372	51	2	14	71
Division III-New York University College of Medicine [1-3]	New York City	J. Mulholland	2,681	42	8	19	105
Division IV-New York University Post-Graduate Medical School [1-3]	New York City	J. W. Hinton	2,179	38	2	10	105
Beth Israel Hospital [1-3]	New York City	L. Ginzburg	2,112	17	2	4	120
Flower and Fifth Avenue Hospitals [1-3]	New York City	J. M. Winfield	4,142	39	6	7	...
Harlem Hospital [1-3]	New York City	A. D. Maynard	1,269	21	4	12	...
Lenox Hill Hospital [1-3]	New York City	F. M. Donehue-H. C. Maier	3,245	30	2	8	180
Lincoln Hospital [1-3]	New York City	F. H. Amendola	3,017	21	4	10	105
Metropolitan Hospital [1-3]	New York City	J. M. Winfield	1,952	30	1	6	104
Montefiore Hospital [1-3]	New York City	E. Hurwitt	.....	76	4	11	75
Mount Sinai Hospital [1-3]	New York City	M. Ravitch	4,529	63	12	19	50
New York Hospital [1-3]	New York City	F. Glenn	4,652	98	17	23	84
New York Polyclinic Medical School and Hospital [1-3]	New York City	R. E. Brennan	3,808	33	3	12	...
Presbyterian Hospital [1]	New York City	G. H. Humphreys, II	3,780	59	7	28	208
Roosevelt Hospital [1-3]	New York City	H. A. Patterson-F. H. Amendola	2,732	50	6	18	116
St. Clare's Hospital [1-3]	New York City	J. L. Madden	3,474	32	2	8	125
St. Luke's Hospital [1-3]	New York City	H. A. Zintel	3,966	46	4	10	75
St. Vincent's Hospital [1-3]	New York City	L. M. Rousselot	5,503	81	6	16	100
Genesee Hospital [3]	Rochester, N. Y.	S. J. Stabins	3,785	57	2	7	75
Rochester General Hospital [1-3]	Rochester, N. Y.	D. C. Houghton	3,590	61	4	12	100
St. Mary's Hospital [1-3]	Rochester, N. Y.	N. J. Pfaff	6,794	56	4	10	200
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	W. J. M. Scott	309,888	128	3	25	...
State University of New York Medical Center [1-3]	Syracuse, N. Y.	R. O. Gregg	8,188	120	10	22	192
Grasslands Hospital [1-3]	Valhalla, N. Y.	G. C. Adie	551	41	2	5	175
White Plains Hospital [1-3]	White Plains, N. Y.	E. G. Ramsdell	3,336	32	1	4	175
North Carolina Memorial Hospital [1]	Chapel Hill, N. C.	N. Womack	705	18	6	16	145
Duke University Hospital [1-3]	Durham, N. C.	D. Hart	2,034	21	5	16	67
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	H. H. Bradshaw	1,605	16	3	15	125
Akron General Hospital [1-3]	Akron, Ohio	R. T. Allison	1,536	12	4	13	250
City Hospital [1-3]	Akron, Ohio	S. A. Schlueter	3,040	..	4	13	250
St. Thomas Hospital [1-3]	Akron, Ohio	R. M. Bartlett	3,546	24	2	7	250
Mercy Hospital [1-3]	Canton, Ohio	S. Hill	6,322	20	2	7	200
Cincinnati General Hospital [1-3]	Cincinnati	W. A. Altemeier	2,514	74	10	31	50
City Hospital [1-3]	Cleveland	F. A. Simeone	1,966	74	11	24	150
Cleveland Clinic Hospital [1-3]	Cleveland	R. S. Dinsmore	2,336	18	8	21	175
Lutheran Hospital [1-3]	Cleveland	J. H. Lazzari	3,878	35	2	6	162
Mount Sinai Hospital [1]	Cleveland	S. O. Freedlander	5,133	31	5	11	215
St. John's Hospital [1-3]	Cleveland	F. T. Gallagher	2,156	12	2	6	170
St. Luke's Hospital [1]	Cleveland	D. M. Glover	4,138	40	2	8	120
St. Vincent Charity Hospital [1-3]	Cleveland	E. P. Neary	6,858	55	5	13	210
University Hospitals [1-3]	Cleveland	W. D. Holden	4,928	72	8	24	125
Ohio State University Hospitals University Hospital [1-3]	Columbus, Ohio	R. M. Zollinger	3,985	66	5	24	150
Lakewood Hospital [1-3]	Lakewood, Ohio	N. W. Thiessen	1,792	19	4	8	200
St. Elizabeth Hospital [1-3]	Youngstown, Ohio	J. A. Renner	1,722	14	2	7	300
University Hospitals [1-3]	Oklahoma City	F. M. Lingenfelter	1,353	24	2	8	85
St. Vincent's Hospital [1-3]	Portland, Ore.	W. C. Foster	5,765	31	3	12	175
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	W. K. Livingston	1,226	68	2	8	85
Abington Memorial Hospital [1-3]	Abington, Pa.	C. M. Smyth	2,706	40	1	4	100
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	H. L. Foss	2,234	15	1	4	125
Harrisburg Hospital [1-3]	Harrisburg, Pa.	C. E. Moore	3,520	42	1	4	250
Germantown Dispensary and Hospital [1-3]	Philadelphia	S. D. Weeder	3,740	55	2	4	150
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	H. R. Hawthorne	1,707	19	2	8	...
Hahnemann Medical College and Hospital [3]	Philadelphia	W. L. Martin	3,086	27	3	12	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	I. S. Ravdin	5,208	95	10	29	125
Hospital of the Woman's Medical College of Pennsylvania [1-3]	Philadelphia	L. K. Ferguson	1,503	16	1	4	110
Jefferson Medical College Hospital [1-3]	Philadelphia	T. A. Shallow-J.H. Gibbon	3,067	42	7	24	...
Lankenau Hospital [1-3]	Philadelphia	J. M. Deaver-G. C. Engel	2,318	18	2	6	100
Pennsylvania Hospital [1-3]	Philadelphia	A. A. Walkling	1,338	35	7	7	20
Temple University Hospital [1-3]	Philadelphia	W. E. Burnett	2,668	45	3	12	...
Allegheny General Hospital [1]	Pittsburgh	J. A. Heberling	8,192	90	4	4	200
Mercy Hospital [1-3]	Pittsburgh	F. H. Bragdon	3,832	13	4	16	175
Pittsburgh Medical Center [1-3]	Pittsburgh	S. P. Harbison	1,751	9	4	11	125
Western Pennsylvania Hospital [1-3]	Pittsburgh	G. V. Foster	2,748	125	2	8	225
Robert Packer Hospital [1-3]	Sayre, Pa.	D. Guthrie	3,546	38	2	6	150
York Hospital	York, Pa.	J. F. Bacon	5,677	46	1	4	225
Rhode Island Hospital [1-3]	Providence, R. I.	J. M. Beardsley	4,610	62	10	16	100
Roper Hospital [1-3]	Charleston, S. C.	F. E. Kredel	2,150	17	3	7	...
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	R. M. Miles	6,273	32	2	7	100
John Gaston Hospital [1-3]	Memphis, Tenn.	H. Wilson	2,520	34	2	12	35
George W. Hubbard Hospital of Meharry Medical College [1-3]	Nashville, Tenn.	M. Walker	1,931	18	3	12	125
Nashville General Hospital [1-3]	Nashville, Tenn.	H. H. Shoulders	1,476	23	2	6	175
St. Thomas Hospital [1-3]	Nashville, Tenn.	J. C. Gardner	5,636	26	2	8	...
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	H. W. Scott, Jr.	2,262	33	4	14	50
Baylor University Hospital [1-3]	Dallas, Texas	J. W. Duckett	3,079	18	3	9	125
Parkland Memorial Hospital [1-3]	Dallas, Texas	B. Wilson	1,388	31	4	19	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	R. M. Moore	1,592	34	6	18	...
Baylor University College of Medicine Affiliated Hospitals							
Jefferson Davis Hospital [1-3]	Houston, Texas	M. E. DeBakey	1,796	74	6	16	...
Methodist Hospital [1-3]	Houston, Texas	L. L. D. Tuttle	2,041	13	3	4	120
Veterans Admin. Hospital [1-3]	Houston, Texas	O. Creech, Jr.	1,723	64	5	15	...
Salt Lake County General Hospital [1-3]	Salt Lake City	P. B. Price	1,018	49	3	11	125
University of Virginia Hospital [1-3]	Charlottesville, Va.	W. H. Muller	2,201	25	7	15	50
Chesapeake and Ohio Hospital [1-3]	Clifton Forge, Va.	J. M. Emmett	5,304	29	3	8	150
Norfolk General Hospital [1-3]	Norfolk, Va.	C. E. Davis	2,651	22	4	10	125
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	I. A. Bigger	5,212	66	9	24	50
King County Hospital Unit No. 1 (Harborview) [1]	Seattle	H. N. Harkins	1,633	92	5	12	110
Virginia Mason Hospital [1-3]	Seattle	J. W. Baker	4,137	62	3	11	100
University Hospitals [1]	Madison, Wis.	E. R. Schmidt	2,712	93	4	16	50
Milwaukee County Hospital [1-3]	Milwaukee	C. F. Conroy	5,903	75	9	21	209
Milwaukee Hospital [1-3]	Milwaukee	C. S. Rife	4,104	35	1	5	195
San Juan City Hospital [1-3]	San Juan, P. R.	J. N. Benitez	2,102	35	2	6	150

Numerical and other references will be found on page 363.

26. SURGERY—Continued

The following services have been approved for three years of training by the Council, the American Board of Surgery and the American College of Surgeons through the Conference Committee on Graduate Training in Surgery. (See also additional lists of approved services, pp. 343-346 and 349-351)

Hospitals, 225; Assistant Residencies and Residencies, 1,425

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [4]	Total Residencies Offered [4]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
William Beaumont Army Hospital	El Paso, Texas	G. F. Peer	9,658	43	3	6	...
UNITED STATES NAVY							
U. S. Naval Hospital [1-3]	Great Lakes, Ill.	L. L. Bean	1,946	17	1	3	...
UNITED STATES PUBLIC HEALTH SERVICE							
U. S. Public Health Service Hospital [1-3]	New Orleans	J. L. Elliott	2,083	22	1	3	...
U. S. Public Health Service Hospital [1]	Baltimore	H. D. Fishburn	3,020	54	2	6	...
U. S. Public Health Service Hospital	Boston	O. C. Williams	1,788	8	1	3	...
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	J. D. Lane, Jr.	5,422	56	4	12	...
U. S. Public Health Service Hospital	Seattle	P. E. Walker	2,679	27	1	5	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1]	Tuskegee, Ala.	A. G. Yancey	1,186	23	3	8	...
Veterans Admin. Hospital [1-3]	Coral Gables, Fla.	M. H. Todd	2,565	57	5	13	...
Veterans Admin. Hospital [1]	Augusta, Ga.	C. M. Rhode	893	17	2	6	...
Veterans Admin. West Side Hospital [1-3]	Chicago	M. I. Gibbel	2,748	24	6	18	...
Veterans Admin. Hospital [1-3]	Wichita, Kan.	A. H. Hinshaw	1,516	25	3	4	...
Veterans Admin. Hospital [1-3]	Lincoln, Neb.	B. R. Walske	1,320	22	2	6	...
Veterans Admin. Hospital [1-3]	East Orange, N. J.	A. H. Levy	950	59	3	12	...
Veterans Admin. Hospital [1-3]	Providence, R. I.	P. Cooper	2,711	22	6	12	...
Veterans Admin. Hospital	Columbia, S. C.	K. M. Lippert	1,523	19	2	5	...
Veterans Admin. Hospital [1-3]	Martinsburg, W. Va.	I. Harrison	1,472	27	3	8	...
Veterans Admin. Hospital [3]	San Juan, P. R.	L. A. Passalacqua	.....	..	2	6	...
NONFEDERAL							
Carraway Methodist Hospital [1-3]	Birmingham, Ala.	C. N. Carraway-B. Carraway	872	7	2	5	250
City Hospital	Mobile, Ala.	E. B. Frazer	1,053	44	3	3	225
Maricopa County General Hospital [1-3]	Phoenix, Ariz.	M. Wood	750	12	1	5	300
Kern General Hospital [1]	Bakersfield, Calif.	R. F. Foote	1,427	35	4	10	325
Herrick Memorial Hospital [1-3]	Berkeley, Calif.	S. H. Babington	3,155	26	1	3	175
San Joaquin General Hospital [1-3]	French Camp, Calif.	W. Brock	866	23	3	7	235
California Hospital [1-3]	Los Angeles	W. H. Olds	2,633	18	7	19	150
Cedars of Lebanon Hospital [1-3]	Los Angeles	D. State-D. Rosenblum	2,168	13	4	8	150
Hospital of the Good Samaritan [1-3]	Los Angeles	G. K. Smith	2,982	7	2	7	200
Queen of Angels Hospital [1-3]	Los Angeles	D. Ross	3,325	45	1	3	150
St. Vincent's Hospital [3]	Los Angeles	W. P. Kroger	4,862	10	1	3	200
White Memorial Hospital [1-3]	Los Angeles	A. I. Kugel	1,352	18	2	4	146
Mercy Hospital [1]	San Diego, Calif.	J. J. O'Hara	7,734	32	2	5	200
San Diego County General Hospital [1-3]	San Diego, Calif.	A. H. Lorch	755	18	4	7	150
St. Joseph's Hospital [1-3]	San Francisco	G. F. Cushman	2,464	10	1	3	150
St. Mary's Hospital [1-3]	San Francisco	E. Butler	4,233	18	3	6	150
Southern Pacific General Hospital [1-3]	San Francisco	V. M. Strange	1,273	7	3	7	150
Mercy Hospital [1-3]	Denver	J. R. Blair	7,031	16	2	5	225
Presbyterian Hospital [1-3]	Denver	K. C. Sawyer	1,855	15	1	3	150
St. Anthony Hospital [1-3]	Denver	R. G. Howlett	1,540	10	1	3	...
St. Joseph's Hospital [1-3]	Denver	F. R. Harper	5,984	53	1	4	150
St. Luke's Hospital [1-3]	Denver	G. Buck	7,809	140	2	6	150
Bridgeport Hospital [1-3]	Bridgeport, Conn.	I. L. Harshbarger	2,552	26	1	4	240
St. Francis Hospital [1-3]	Hartford, Conn.	L. A. St. John	4,243	43	1	3	100
Hospital of St. Raphael [3]	New Haven, Conn.	O. Pelliccia	2,643	..	4	11	125
Waterbury Hospital [1]	Waterbury, Conn.	A. E. Herrmann	4,276	80	1	4	225
Doctors Hospital [1-3]	Washington, D. C.	O. S. White	4,915	37	1	3	150
Duval Medical Center [1-3]	Jacksonville, Fla.	K. A. Morris	2,342	60	2	5	150
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	F. Waas	3,382	25	5	11	135
Mount Sinai Hospital [1-3]	Miami Beach, Fla.	R. M. Fleming	5,240	41	1	3	250
Crawford W. Long Memorial Hospital [1-3]	Atlanta, Ga.	C. E. Holloway	5,215	19	6	9	110
Georgia Baptist Hospital [1-3]	Atlanta, Ga.	W. S. Dorough	9,250	29	2	7	290
St. Joseph's Infirmary [1-3]	Atlanta, Ga.	D. Shepard	3,354	28	2	6	165
American Hospital [1-3]	Chicago	M. Thorek-P. Thorek	2,453	61	5	5	...
Augustana Hospital [1-3]	Chicago	N. M. Percy	3,627	42	5	10	150
Grant Hospital [1-3]	Chicago	O. K. Solander	1,731	12	1	2	225
Illinois Central Hospital [1-3]	Chicago	C. C. Guy	3,099	35	3	3	200
Illinois Masonic Hospital [1-3]	Chicago	P. Shambaugh	2,306	34	2	6	115
Lutheran Deaconess Home and Hospital [3]	Chicago	J. D. Koucky	3,115	22	1	3	200
Provident Hospital [1-3]	Chicago	E. E. Hasbrouck	1,397	12	1	3	200
St. Joseph Hospital [1-3]	Chicago	F. B. McCarty	2,038	7	1	3	200
St. Mary of Nazareth Hospital [1]	Chicago	E. H. Warszewski	4,046	9	3	6	150
Evanston Hospital [1-3]	Evanston, Ill.	J. M. Dorsey	1,661	11	1	3	...
St. Francis Hospital [1-3]	Evanston, Ill.	D. P. Slaughter	4,897	42	3	8	175
West Suburban Hospital [3]	Oak Park, Ill.	R. F. Sharer	3,099	66	3	6	225
Clinic Hospital [1-3]	Bluffton, Ind.	H. D. Caylor	758	8	1	3	300
Methodist Hospital [1-3]	Indianapolis	P. K. Cullen	3,926	29	2	6	273
St. Vincent's Hospital [1-3]	Indianapolis	W. D. Gatch	5,326	23	1	4	275
St. Elizabeth Hospital	Lafayette, Ind.	M. J. Eaton	1,483	13	2	5	175
St. Margaret's Hospital	Kansas City, Kan.	M. V. Laing	3,137	102	1	4	225
Wesley Hospital [1-3]	Wichita, Kan.	A. E. Hiebert	5,784	8	1	3	150
St. Joseph Hospital [1-3]	Lexington, Ky.	F. M. Massie	1,882	23	3	8	210
St. Joseph Infirmary [1-3]	Louisville, Ky.	J. Harter	6,723	47	2	6	185
Ochsner Foundation Hospital [1]	New Orleans	A. Ochsner	1,202	14	7	21	200
Southern Baptist Hospital [1]	New Orleans	J. K. Stone	9,183	41	2	4	225
Touro Infirmary [1]	New Orleans	I. W. Kaplan	4,505	39	2	6	100
Lutheran Hospital [1-3]	Baltimore	W. E. Gilmore	2,312	18	3	6	220
Maryland General Hospital [1-3]	Baltimore	W. M. Firor	2,688	25	3	6	225
Provident Hospital and Free Dispensary [1-3]	Baltimore	S. McLanahan	1,087	15	3	8	150
St. Agnes Hospital [1-3]	Baltimore	G. Govatos	2,988	28	2	5	125
South Baltimore General Hospital [1-3]	Baltimore	G. H. Yeager	3,091	20	4	10	150
Prince George's General Hospital	Cheverly, Md.	S. Schwartzbach	4,687	24	2	6	...
Beverly Hospital	Beverly, Mass.	R. E. Alt	2,215	43	2	5	150
Children's Medical Center [1-3]	Boston	R. E. Gross	1,620	48	..	11	50

Numerical and other references will be found on page 363.

26. SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Beginning Stipend (Month)
Cambridge City Hospital [1-3]	Cambridge, Mass.	J. B. Vernaglia	1,631	27	1	3	125
Mount Auburn Hospital [1-3]	Cambridge, Mass.	S. J. G. Nowak	3,089	31	1	3	125
Malden Hospital [1-3]	Malden, Mass.	W. G. Garrey	2,170	24	3	6	125
Newton-Wellesley Hospital [1-3]	Newton, Mass.	R. I. Smith	3,734	25	1	3	170
Worcester City Hospital [3]	Worcester, Mass.	E. J. Croce	1,809	55	2	4	215
Leila Y. Post Montgomery Hospital [1]	Battle Creek, Mich.	R. L. Mustard	988	8	2	4	275
Alexander Blain Hospital [1-3]	Detroit	A. Blain, III	1,177	7	2	6	200
Detroit Memorial Hospital [1]	Detroit	T. I. Roth	2,278	18	2	4	250
Jennings Memorial Hospital [1-3]	Detroit	J. B. Hartzell	736	6	1	2	350
Mount Carmel Mercy Hospital [1-3]	Detroit	E. L. Stefani	3,829	39	4	14	225
Providence Hospital [1-3]	Detroit	D. H. O'Donnell	7,674	53	1	3	250
St. John's Hospital	Detroit	E. G. Krieg	2,882	3	1	3	275
St. Joseph Mercy Hospital [1]	Detroit	D. J. Leithauser	1,598	1	2	4	240
Sinai Hospital	Detroit	H. C. Saltzstein	1,586	28	2	5	275
McLaren General Hospital [1]	Flint, Mich.	E. P. Vary	4,307	16	1	3	325
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	J. W. Logie	1,926	5	1	3	225
St. Mary's Hospital [1-3]	Grand Rapids, Mich.	F. Gillett	1,689	12	1	3	200
Bronson Methodist Hospital [1]	Kalamazoo, Mich.	P. F. Cooper	2,649	45	1	4	260
Pontiac General Hospital [1-3]	Pontiac, Mich.	R. W. Bullard	5,032	34	1	3	300
Saginaw General Hospital [1-3]	Saginaw, Mich.	J. E. Manning	3,188	41	1	3	325
Mount Sinai Hospital [1-3]	Minneapolis	D. Gaviser	1,387	15	1	3	182
Northwestern Hospital [1-3]	Minneapolis	D. C. MacKinnon	2,386	8	1	3	200
St. Barnabas Hospital [1-3]	Minneapolis	C. O. Rice-L. B. Clay	1,080	4	2	2	...
Mayo Foundation [1-3]	Rochester, Minn.		12,582	135	55	103	150
St. Joseph's Hospital [1-3]	St. Paul	F. M. Owens, Jr.	5,070	20	1	4	162
Vicksburg Hospital	Vicksburg, Miss.	W. H. Parsons	1,500	12	3	3	50
Mercy Hospital-Street Memorial [1-3]	Vicksburg, Miss.	A. Street	2,727	8	1	3	225
St. Louis County Hospital [1-3]	Clayton, Mo.	B. L. Sinner	432	15	3	8	225
Kansas City General Hospital No. 2 [1-3]	Kansas City, Mo.	R. E. Allen	1,089	41	2	6	...
Research Hospital [1-3]	Kansas City, Mo.	C. J. Hunt	1,166	11	2	6	175
St. Joseph Hospital [1-3]	Kansas City, Mo.	J. Underwood, Jr.	5,939	..	1	4	250
St. Luke's Hospital [1-3]	Kansas City, Mo.	L. P. Engel	1,498	16	2	5	175
De Paul Hospital [1-3]	St. Louis	J. W. Thompson	2,380	14	2	6	200
Missouri Baptist Hospital [1-3]	St. Louis	E. T. Vitt	2,179	37	2	7	175
St. John's Hospital [1-3]	St. Louis	G. T. Gafney	3,371	53	2	5	200
St. Luke's Hospital [1]	St. Louis	C. E. Lischer	2,883	46	2	4	200
Atlantic City Hospital [1-3]	Atlantic City, N. J.	J. H. Mason, III	2,164	12	1	3	200
Cooper Hospital [1-3]	Camden, N. J.	E. R. Ristine	2,739	53	1	4	200
West Jersey Hospital [1-3]	Camden, N. J.	H. W. Jack	2,045	23	1	4	200
Jersey City Medical Center [1-3]	Jersey City, N. J.	E. J. Halligan	5,389	78	8	25	92
Burlington County Hospital [1-3]	Mt. Holly, N. J.	T. J. Summey	1,540	21	1	2	100
Harrison S. Martland Medical Center [1-3]	Newark, N. J.	C. MacArthur	1,270	44	3	9	162
Hospital of St. Barnabas and for Women and Children [1-3]	Newark, N. J.	M. J. O'Grady	1,964	..	1	4	150
Orange Memorial Hospital [1-3]	Orange, N. J.	C. W. Scranton	2,894	34	1	3	150
St. Francis Hospital [1-3]	Trenton, N. J.	S. Sica	6,027	45	2	6	210
Binghamton City Hospital [1-3]	Binghamton, N. Y.	H. J. King	3,100	94	2	4	150
Beth-El Hospital [1-3]	Brooklyn	H. Neuhof	3,330	10	3	6	125
Cumberland Hospital [1-3]	Brooklyn	J. J. Gainey	2,396	18	5	8	...
Greenpoint Hospital [1-3]	Brooklyn	H. Feldman	2,290	28	2	6	105
Kings County Hospital County Division [1-3]	Brooklyn	J. F. Rayeroft	4,549	81	5	12	104
Norwegian Lutheran Deaconesses' Home and Hospital [1-3]	Brooklyn	R. P. San Filippo	2,141	50	1	3	135
St. Catherine's Hospital [1-3]	Brooklyn	J. McCabe	3,084	20	1	4	125
St. John's Episcopal Hospital [1-3]	Brooklyn	M. N. Foote	2,478	15	1	3	175
Clifton Springs Sanitarium and Clinic [1-3]	Clifton Springs, N. Y.	R. M. Price	1,388	26	1	3	100
Jamaica Hospital [1-3]	Jamaica, N. Y.	E. J. Patterson	1,757	..	1	4	...
Mary Immaculate Hospital [1-3]	Jamaica, N. Y.	H. Draffen, Sr.	4,443	19	4	8	120
Charles S. Wilson Memorial Hospital [1-3]	Johnson City, N. Y.	C. Steenburg	3,890	24	3	9	200
Mount Vernon Hospital [3]	Mount Vernon, N. Y.	N. W. Cornell	3,141	15	1	3	125
New Rochelle Hospital [1-3]	New Rochelle, N. Y.	G. C. Adle	5,211	32	1	4	225
Beth David Hospital [1-3]	New York City	L. Breidenbach	2,643	17	2	3	...
Bronx Hospital [1-3]	New York City	R. Friedlander	2,735	13	4	10	50
Fordham Hospital [1-3]	New York City	H. H. Janes-A. B. Sullivan	2,561	44	4	6	105
French Hospital [1-3]	New York City	H. B. Keyes	1,960	11	1	4	50
Memorial Center for Cancer and Allied Diseases [1-3]	New York City	H. T. Randall	8,439	233	26	51	104
Morrisania City Hospital [1-3]	New York City	R. J. Azzari	892	16	2	6	105
New York City Hospital [1-3]	New York City	A. Zimany	2,149	15	3	5	104
St. Francis Hospital [1-3]	New York City	J. P. Alvich	2,084	23	1	3	175
Highland Hospital [1-3]	Rochester, N. Y.	H. R. Ziegler	3,502	30	3	6	100
Ellis Hospital [1-3]	Schenectady, N. Y.	S. F. MacMillan	6,155	57	2	4	150
Charlotte Memorial Hospital [1]	Charlotte, N. C.	J. M. Van Hoy	1,911	15	1	3	250
Lincoln Hospital [1-3]	Durham, N. C.	H. M. Schiebel	1,136	9	2	4	175
Rex Hospital [1]	Raleigh, N. C.	A. T. Hamilton	2,407	19	1	3	200
City Memorial Hospital [1-3]	Winston-Salem, N. C.	J. F. Marshall	2,229	11	1	3	...
Aultman Hospital [1-3]	Canton, Ohio	H. J. Bowman	4,096	54	7	11	275
Christ Hospital [1]	Cincinnati	E. A. Kindel	2,622	31	2	5	200
Good Samaritan Hospital [1-3]	Cincinnati	C. S. Roof	2,423	14	2	8	175
Jewish Hospital [1-3]	Cincinnati	J. D. Heiman	5,838	42	4	11	145
St. Mary's Hospital [1-3]	Cincinnati	R. Mansfield	1,740	19	1	3	250
Evangelical Deaconess Hospital [1-3]	Cleveland	J. H. Lazzari	3,976	20	2	4	...
St. Alexis Hospital [1-3]	Cleveland	C. R. Lulenski	5,835	59	3	8	250
Mount Carmel Hospital [1]	Columbus, Ohio	W. H. Teachnor	5,273	53	1	3	...
White Cross Hospital [1-3]	Columbus, Ohio	E. M. Fusco	3,128	23	2	4	275
Miami Valley Hospital [1-3]	Dayton, Ohio	R. D. Snyder	9,301	93	2	6	160
Huron Road Hospital [1-3]	East Cleveland, Ohio	L. A. Steinhilber	5,022	40	2	6	210
Marymount Hospital [3]	Garfield Heights, Ohio	C. R. Jablonoski	3,800	..	4	7	...
St. Rita's Hospital [1-3]	Lima, Ohio	A. M. Barone	4,698	7	1	3	225
Maumee Valley Hospital [1-3]	Toledo, Ohio	W. W. Beck	643	35	2	6	...
Mercy Hospital [1-3]	Toledo, Ohio	E. L. Gaspari	4,474	50	1	3	250
St. Vincent's Hospital [1-3]	Toledo, Ohio	B. G. Shaffer	2,774	35	2	5	225
Toledo Hospital [1-3]	Toledo, Ohio	W. L. Bryant	4,645	32	1	3	200
Youngstown Hospital [1-3]	Youngstown, Ohio	A. E. Brant	9,048	65	2	8	175
St. Anthony Hospital	Oklahoma City	L. J. Starry	5,195	34	1	3	150
Hillcrest Medical Center [1]	Tulsa, Okla.	A. R. Wiley	2,410	11	2	5	...
St. John's Hospital [1-3]	Tulsa, Okla.	H. White	2,034	7	2	6	...
Emanuel Hospital [1-3]	Portland, Ore.	P. B. Packard	5,045	30	1	3	175
Allentown Hospital [1-3]	Allentown, Pa.	R. L. Schaeffer	2,252	30	1	3	225
Sacred Heart Hospital [1-3]	Allentown, Pa.	C. A. Holland	5,258	65	1	3	225

Numerical and other references will be found on page 363.

26. SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
St. Luke's Hospital [1-3]	Bethlehem, Pa.	D. P. Walker	4,002	41	5	5	275
Bryn Mawr Hospital [1-3]	Bryn Mawr, Pa.	F. R. Robbins	3,835	55	1	4	100
Hamot Hospital [1-3]	Erie, Pa.	B. Goldman	4,668	39	1	3	200
St. Vincent's Hospital [1-3]	Erie, Pa.	J. W. Schilling	1,599	17	1	3	100
Harrisburg Polyclinic Hospital [1]	Harrisburg, Pa.	W. K. McBride	4,648	31	2	5	250
St. Joseph's Hospital [1-3]	Lancaster, Pa.	J. L. Atlee, Jr.	4,361	32	1	3	200
Albert Einstein Medical Center—Northern Division [1-3]	Philadelphia	A. Behrend	4,577	40	2	6	150
Albert Einstein Medical Center—Southern Division [1-3]	Philadelphia	B. Lipshutz-L. Kaplan	3,645	37	3	3	150
Episcopal Hospital [1-3]	Philadelphia	J. W. Klopp	1,957	33	1	3	150
Methodist Episcopal Hospital [1-3]	Philadelphia	G. Willauer	2,525	25	1	4	200
Philadelphia General Hospital [1-3]	Philadelphia	L. C. Manges	678	10	2	8	113
Presbyterian Hospital [1-3]	Philadelphia	O. C. King	2,492	35	2	6	100
Woman's Hospital [1-3]	Philadelphia	C. M. Smyth, Jr.	1,285	..	1	2	175
Montefiore Hospital [1-3]	Pittsburgh	Y. D. Koskoff	5,729	19	1	3	125
Pittsburgh Hospital [1-3]	Pittsburgh	J. W. Stinson	2,339	20	1	3	...
St. Francis General Hospital and Rehabilitation Institute [1-3]	Pittsburgh	H. E. Feather	3,108	26	1	4	200
Reading Hospital [1-3]	Reading, Pa.	C. B. Rentschler	1,790	21	1	3	225
St. Joseph's Hospital [1-3]	Reading, Pa.	R. R. Impink	590	19	1	4	250
Williamsport Hospital [1-3]	Williamsport, Pa.	F. E. Sanford	2,749	20	2	6	200
Columbia Hospital [1-3]	Columbia, S. C.	W. M. Corbett	2,585	20	1	3	175
Baroness Erlanger Hospital [1-3]	Chattanooga, Tenn.	V. Fletcher	3,042	8	6	14	125
Methodist Hospital	Memphis, Tenn.	J. M. Aste	6,396	26	3	3	100
St. Joseph Hospital [1-3]	Memphis, Tenn.	A. J. Grobmyer	1,485	12	1	4	100
Baptist Hospital [1-3]	Nashville, Tenn.	J. Kirtley	4,537	21	3	8	175
Methodist Hospital [1-3]	Dallas, Texas	B. E. Park	2,636	7	3	7	125
Hermann Hospital [1]	Houston, Texas	G. Waldron	5,314	46	1	6	100
St. Joseph's Hospital [1]	Houston, Texas	J. P. Barnes	2,197	15	2	4	225
Robert B. Green Memorial Hospital [1-3]	San Antonio, Texas	T. A. Pressly	1,395	40	2	6	150
Dr. W. H. Groves Latter-Day Saints Hospital [1-3]	Salt Lake City	V. L. Rees	2,701	22	3	8	200
Mary Fletcher Hospital [1-3]	Burlington, Vt.	A. G. MacKay	1,223	11	1	4	100
Alexandria Hospital [1-3]	Alexandria, Va.	C. L. Fifer	1,345	5	1	3	225
Johnston-Willis Hospital [1-3]	Richmond, Va.	F. S. Johns	3,443	9	1	3	250
Jefferson Hospital [1-3]	Roanoke, Va.	A. P. Jones	1,046	16	2	4	...
Swedish Hospital [1-3]	Seattle	J. A. Duncan	7,659	144	1	3	100
Beckley Hospital [3]	Beckley, W. Va.	.....	2,383	15	2	4	250
Charleston General Hospital [1-3]	Charleston, W. Va.	H. A. Bailey	2,492	15	2	8	175
Memorial Hospital [1-3]	Charleston, W. Va.	B. Bradford	3,745	27	2	5	225
St. Mary's Hospital [1-3]	Huntington, W. Va.	W. C. Kappes	2,280	13	1	4	150
Broaddus Hospital [1-3]	Philippi, W. Va.	H. C. Myers	1,297	76	1	4	200
Ohio Valley General Hospital [1-3]	Wheeling, W. Va.	J. O. Rankin	3,601	25	1	3	300
Madison General Hospital [1-3]	Madison, Wis.	J. S. Supernaw	3,212	22	1	6	150
Columbia Hospital [1-3]	Milwaukee	F. Raine	916	5	1	3	195
St. Joseph's Hospital [1-3]	Milwaukee	C. Conroy	5,911	85	2	6	200
Gorgas Hospital [1-3]	Ancon, C. Z.	W. W. Nichol	1,808	37	2	6	345
Queen's Hospital [1-3]	Honolulu, T. H.	J. E. Strode	3,111	22	2	6	125
Bayamon District Hospital [1-3]	Bayamon, P. R.	J. M. Bertran	1,579	54	1	3	150

The following hospitals approved by the Council, the American Board of Surgery and the American College of Surgeons through the Conference Committee on Graduate Training in Surgery, offer training in surgery of less than three years' duration, which is integrated with or contributory to a fully approved program.

(See also additional lists of approved services, pp. 343-349 and 350-351)

Hospitals, 47; Assistant Residencies and Residencies, 150

FEDERAL

VETERANS ADMINISTRATION

Veterans Admin. Research Hospital [1]	Chicago	F. Preston	289	19	3	10	...
Veterans Admin. Hospital [1-3]	Durham, N. C.	J. P. Collins	1,265	9	3	5	...

NONFEDERAL

Glendale Sanitarium and Hospital [1]	Glendale, Calif.	J. Janzen	3,303	14	1	3	165
Peralta Hospital [1]	Oakland, Calif.	J. L. Lohse	6,203	14	..	..	210
Samuel Merritt Hospital [1]	Oakland, Calif.	P. C. Samson	3,184	24	..	2	195
French Hospital [1-3]	San Francisco	W. L. Rogers	2,403	14	2	3	125
Santa Barbara General Hospital [1-3]	Santa Barbara, Calif.	A. I. Bissell	278	8	..	..	...
Children's Hospital [1-3]	Denver	G. B. Packard	1,872	33	..	2	160
Children's Memorial Hospital [1-3]	Chicago	W. J. Potts	2,148	18	..	2	75
Henrotin Hospital [1]	Chicago	C. B. Puestow	1,388	2	1	1	200
St. Francis Hospital [1-3]	Peoria, Ill.	C. D. Branch	4,188	35	1	2	...
Broadlawns-Polk County Hospital [1]	Des Moines, Iowa	R. M. Stickler	875	25	..	1	175
Norton Memorial Infirmary [1-3]	Louisville, Ky.	L. H. Segerberg	1,862	18	3	5	250
Lafayette Charity Hospital [1]	Lafayette, La.	J. D. Rives	2,500	19	..	2	500
Lawrence F. Quigley Memorial Hospital [1-3]	Chelsea, Mass.	H. H. Howard	1,239	16	..	4	255
Truesdale Hospital [1-3]	Fall River, Mass.	W. G. Atwood	2,291	..	4	4	150
Lynn Hospital [1-3]	Lynn, Mass.	C. F. Twomey	3,511	27	1	1	150
Salem Hospital [1-3]	Salem, Mass.	W. G. Phippen	2,838	29	1	1	125
Pondville Hospital [1]	Walpole, Mass.	E. M. Daland	1,414	118	..	4	490
Westfield State Sanatorium [1-3]	Westfield, Mass.	F. S. Hopkins	.....	..	3	3	490
Ellis Fischel State Cancer Hospital [1-3]	Columbia, Mo.	N. D. Rodes	950	..	..	6	...
St. Louis Children's Hospital	St. Louis	.....	.....	..	..	..	...
John E. Jennings Hospital [1-3]	Brooklyn	.....	.....	..	..	..	...
Emergency Hospital	Buffalo	.....	.....	..	..	..	...
Francis Delafield Hospital [1-3]	New York City	G. H. Humphreys, II	906	117	4	13	166
Goldwater Memorial Hospital [1-3]	New York City	B. Shafiroff	505	16	2	8	104
Gouverneur Hospital [1-3]	New York City	F. J. McGowan	694	25	3	9	104
Knickerbocker Hospital [1-3]	New York City	R. L. Patterson	2,615	20	..	9	110
United Hospital [1-3]	Port Chester, N. Y.	G. O. Tremble	3,939	30	1	1	200
Children's Hospital [1-3]	Akron, Ohio	R. M. Bartlett	1,343	16	2	6	250
Children's Hospital [1]	Cincinnati	W. A. Altemeier	798	20	..	..	...
Children's Hospital [1]	Columbus, Ohio	H. W. Clatworthy	1,263	26	..	1	175
Good Samaritan Hospital [1-3]	Dayton, Ohio	I. Helfert	5,564	32	2	2	250
Holzer Hospital [1]	Gallipolis, Ohio	M. J. Magnussen	2,800	15	1	1	200
Easton Hospital [1-3]	Easton, Pa.	T. C. Zulick, Jr.	1,805	30	2	2	250
Children's Hospital [1-3]	Philadelphia	C. E. Koop	1,947	20	2	4	67
Children's Hospital [1-3]	Pittsburgh	G. V. Foster	1,003	16	..	2	125
Sacred Heart Hospital [1]	Yankton, S. Dak.	C. B. McVay	2,214	7	1	3	...

Numerical and other references will be found on page 363.

26. SURGERY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
NONFEDERAL							
Gaston Hospital	Dallas, Texas	J. V. Goode	.....	..	..	3	...
University of Texas M. D. Anderson Hospital and Tumor Institute [1-3]	Houston, Texas	E. C. White	818	42	..	14	150
Holy Cross Hospital [1-3]	Salt Lake City	P. M. Howard	3,875	44	2	3	175
St. Mark's Hospital [1-3]	Salt Lake City	P. A. Pemberton	4,831	12	3	3	175
Lynchburg General Hospital [1-3]	Lynchburg, Va.	J. E. Haynsworth	2,416	13	1	2	150
Lewis Gale Hospital [1-3]	Roanoke, Va.	W. L. Sibley	2,887	27	2	3	250
Children's Orthopedic Hospital [1-3]	Seattle	H. E. Coe	590	11	2	2	195
Chesapeake and Ohio Hospital [1-3]	Huntington, W. Va.	J. E. Parsons	2,376	16	..	..	150
Milwaukee Children's Hospital [1]	Milwaukee	P. F. Hausmann	1,861	26	..	..	150

The following services are approved by the Council as offering satisfactory training of one or two years' duration in preparation for residency training in the surgical specialties only. Applicants intending to qualify for examination by the American Board of Surgery should refer to the lists of approved services on pp. 343-350 (Surgical Residencies, J. A. M. A., 156:432, Sept. 25, 1954)

Hospitals, 124; Assistant Residencies and Residencies, 321

FEDERAL							
UNITED STATES ARMY							
U. S. Army Hospital [1-3]	Fort Campbell, Ky.	H. F. Bertram	5,061	22	2	2	...
U. S. Army Hospital [1]	Fort Knox, Ky.	L. R. Steele	1,824	..	2	2	...
Valley Forge Army Hospital [1]	Phoenixville, Pa.	W. R. Matuska	3,003	70	4	4	...
U. S. Army Hospital [1]	Fort Belvoir, Va.	R. M. Hardaway	7,871	8	2	2	...
Madigan Army Hospital	Tacoma, Wash.	J. E. Graham	2,048	3	..	..	...
UNITED STATES AIR FORCE							
U. S. Air Force Hospital [1-3]	Belleville, Ill.	L. S. Staudinger, Jr.	508	15	1	1	...
U. S. Air Force Hospital [1-3]	Rantoul, Ill.	O. K. Park	689	1	1	1	...
U. S. Air Force Hospital [3]	San Antonio, Texas	D. Gold	1,844	7	2	2	...
U. S. Air Force Hospital [1-3]	Wichita Falls, Texas	M. N. Jensen	939	2	2	2	...
NONFEDERAL							
Good Samaritan Hospital [3]	Phoenix, Ariz.	D. W. Melick	7,075	30	2	2	250
St. Joseph's Hospital [1-3]	Phoenix, Ariz.	W. H. Cleveland	2,431	13	1	1	225
St. Mary's Hospital and Sanitarium [1-3]	Tucson, Ariz.	H. D. Cogswell	5,120	110	4	4	200
Tucson Medical Center [1-3]	Tucson, Ariz.	W. D. Carrell	970	9	2	2	200
Arkansas Baptist Hospital [1]	Little Rock, Ark.	T. J. Raney	2,315	8	1	1	225
General Hospital of Riverside County [1]	Arlington, Calif.	C. G. Fraser	538	14	1	1	376
Seaside Memorial Hospital [1-3]	Long Beach, Calif.	W. G. Rhorer	2,132	7	4	4	150
Santa Fe Coast Lines Hospital	Los Angeles	L. Chaffin	1,021	15	1	1	250
Collis P. and Howard Huntington Memorial Hospital [1-3]	Pasadena, Calif.	L. G. Craig	8,456	33	1	3	240
San Bernardino County Charity Hospital	San Bernardino, Calif.	R. Seavers	786	40	4	5	190
Children's Hospital [1-3]	San Francisco	F. C. Bost	567	7	1	2	125
Mary's Help Hospital [1-3]	San Francisco	E. Carlson	1,236	6	1	2	150
St. Luke's Hospital [3]	San Francisco	G. D. Delprat	4,716	17	3	5	200
Community Hospital of San Mateo County [1-3]	San Mateo, Calif.	K. H. Prindle	402	6	2	4	400
St. John's Hospital	Santa Monica, Calif.	R. M. Neale	6,005	..	1	1	175
Colorado State Hospital [1-3]	Pueblo, Colo.	T. E. Wade	708	40	1	4	415
Corwin Hospital [1]	Pueblo, Colo.	S. B. Potter	2,901	3	2	2	125
Greenwich Hospital [1-3]	Greenwich, Conn.	H. P. Serrell	3,108	31	1	1	150
Hartford Municipal Hospital and Health Center [1-3]	Hartford, Conn.	C. Kelly	691	17	1	2	250
Meriden Hospital [1-3]	Meriden, Conn.	A. J. Ryan	1,991	18	2	2	200
Lawrence and Memorial Associated Hospitals [1-3]	New London, Conn.	F. B. Hartman	4,194	20	3	3	250
Norwalk Hospital [1-3]	Norwalk, Conn.	E. C. Beck	1,495	10	2	2	160
St. Mary's Hospital [1-3]	Waterbury, Conn.	C. H. Audet, Sr.	2,511	16	2	4	225
Sibley Memorial Hospital [1-3]	Washington, D. C.	P. S. Putzki	6,319	13	3	5	200
Riverside Hospital [1-3]	Jacksonville, Fla.	T. Moseley	930	9	1	1	150
St. Luke's Hospital [1]	Jacksonville, Fla.	K. Morris	4,601	9	2	2	225
St. Francis Hospital [1-3]	Miami Beach, Fla.	J. H. Tanous	1,767	23	2	2	200
Orange Memorial Hospital [1-3]	Orlando, Fla.	F. D. Gray	1,586	15	4	4	150
Mound Park Hospital [1]	St. Petersburg, Fla.	E. V. Pollard	1,120	29	1	1	283
Tampa Municipal Hospital [1-3]	Tampa, Fla.	W. C. Meyers, Jr.	5,852	68	1	3	125
MacNeal Memorial Hospital [1]	Berwyn, Ill.	J. L. Grout	2,039	11	4	4	225
Englewood Hospital [3]	Chicago	J. Van Epps	2,691	10	1	1	200
Hospital of St. Anthony de Padua [1-3]	Chicago	R. Johnson	3,933	7	2	2	250
Norwegian American Hospital [1-3]	Chicago	A. Triolo	1,283	5	3	3	225
Ravenswood Hospital [1-3]	Chicago	M. Field	1,525	10	1	2	75
St. Anne's Hospital [1-3]	Chicago	P. F. Fox	5,141	6	2	2	200
Women and Children's Hospital [2-3]	Chicago	K. True	634	7	1	1	100
Woodlawn Hospital [1-3]	Chicago	H. P. Jenkins	958	8	1	2	150
Little Company of Mary Hospital [1-3]	Evergreen Park, Ill.	D. G. Sullivan	6,718	7	2	8	150
Methodist Hospital of Central Illinois [1-3]	Peoria, Ill.	J. Mathis	5,398	38	3	4	200
St. Anthony Hospital [1-3]	Rockford, Ill.	R. G. Smith	1,776	11	1	3	200
Ball Memorial Hospital [1]	Muncie, Ind.	J. H. Clevenger	4,380	53	2	2	200
Mercy Hospital [1]	Iowa City	J. W. Dulin	2,259	15	2	2	150
St. Francis Hospital [1-3]	Wichita, Kan.	W. C. Bartlett	3,231	36	3	3	275
Good Samaritan Hospital [1]	Lexington, Ky.	F. Massie	6,488	..	1	1	225
Hotel Dieu-Sisters Hospital [1]	New Orleans	M. Salatich	4,198	26	2	4	225
Central Maine General Hospital [1]	Lewiston, Maine	W. V. Cox	2,198	23	1	1	150
Bon Secours Hospital [3]	Baltimore	G. A. Stewart	955	11	..	1	260
Burbank Hospital [1]	Fitchburg, Mass.	F. P. Ross	2,072	58	..	2	200
Florence Crittenton Hospital [1-3]	Detroit	T. T. Callaghan	2,141	23	2	2	...
Woman's Hospital [1-3]	Detroit	J. R. Brown	3,475	18	1	2	250
Edward W. Sparrow Hospital [1-3]	Lansing, Mich.	R. W. Wadley	6,266	49	1	3	350
St. Joseph Mercy Hospital [1-3]	Pontiac, Mich.	C. G. Darling	1,674	2	2	3	325
Swedish Hospital [1-3]	Minneapolis	H. Mattson	8,503	42	3	3	200
Menorah Medical Center [1-3]	Kansas City, Mo.	P. H. Halperin	4,484	25	3	6	200
St. Mary's Hospital [1-3]	Kansas City, Mo.	F. L. Feierabend	5,057	44	2	2	200
Missouri Methodist Hospital [1-3]	St. Joseph, Mo.	B. H. Moen	4,245	38	2	2	225
St. Anthony's Hospital [1-3]	St. Louis	J. E. Von Kaenel	3,410	31	1	1	150
St. Elizabeth Hospital [1-3]	Lincoln, Neb.	R. F. Mueller	3,690	16	1	2	250
Hackensack Hospital [1-3]	Hackensack, N. J.	A. I. Mader, Jr.	5,273	39	1	3	125
Monmouth Memorial Hospital [1-3]	Long Branch, N. J.	H. Kazmann	2,363	25	1	3	200
Mountainside Hospital [1-3]	Montclair, N. J.	R. Stewart	4,643	154	2	2	175
Morristown Memorial Hospital	Morristown, N. J.	G. H. Laudig	1,842	26	1	1	185

Numerical and other references will be found on page 363.

26. SURGERY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
NONFEDERAL							
Fitkin Memorial Hospital [1-3]	Neptune, N. J.	O. K. Parry	1,688	6	1	1	200
Presbyterian Hospital [1-3]	Newark, N. J.	R. H. Hill	5,328	47	4	4	125
Deaconess Hospital [1-3]	Buffalo	J. Stubenbord	4,785	27	3	9	250
Mary McClellan Hospital [1-3]	Cambridge, N. Y.	D. M. Vickers	885	4	1	1	200
Columbus Hospital [3]	New York City	V. Carabba	1,957	18	1	4	200
Hospital for Joint Diseases [1-3]	New York City	P. Klingenstein	863	9	4	4	80
Jewish Memorial Hospital [3]	New York City	B. Sherwin	1,479	23	1	1	150
Lebanon Hospital [1-3]	New York City	M. Cohen-B. Sherwin	1,538	17	1	1	100
Misericordia Hospital [1-3]	New York City	A. S. McQuillan	1,570	9	1	2	100
Mother Cabrini Memorial Hospital [1-3]	New York City	J. P. Alvich	1,917	4	..	1	125
New York Infirmary [2-3]	New York City	L. Loseke	483	7	1	1	150
Sydenham Hospital [1-3]	New York City	S. Standard	924	11	2	4	105
St. Agnes Hospital [1]	Raleigh, N. C.	G. W. Paschal	1,053	11	1	1	250
Kate Bitting Reynolds Memorial Hospital [1]	Winston-Salem, N. C.	J. M. Walker, Jr.	1,942	18	2	5	200
Bismarck Hospital [3]	Bismarck, N. Dak.	R. H. Waldschmidt	756	1	2	2	300
St. Luke's Hospital	Fargo, N. Dak.	V. G. Borland	986	2	1	1	300
Deaconess Hospital [1-3]	Cincinnati	R. W. Good-J. Payne	3,186	15	3	3	175
Fairview Park Hospital [1-3]	Cleveland	W. E. Smith	1,381	8	3	3	125
Doctors Hospital [1-3]	Cleveland Heights, Ohio	R. R. Renners	1,811	14	2	4	200
St. Elizabeth Hospital [1]	Dayton, Ohio	T. P. Rab	4,623	33	1	1	225
Mercy Hospital [1-3]	Hamilton, Ohio	J. A. Mackie	2,232	29	3	3	250
Mansfield General Hospital [1-3]	Mansfield, Ohio	M. S. Reed	998	4	..	2	225
Wesley Hospital [1]	Oklahoma City	J. H. Robinson	1,405	10	3	3	225
Good Samaritan Hospital [1-3]	Portland, Ore.	H. M. Nickols	.....	..	2	6	250
Providence Hospital [1-3]	Portland, Ore.	L. P. Gambee	6,743	90	1	3	175
Bradford Hospital [1-3]	Bradford, Pa.	S. A. McCutcheon	1,367	7	3	3	250
Hazelton State Hospital [1-3]	Hazelton, Pa.	J. P. H. Kettrick	2,497	6	2	4	445
Doctors Hospital [1-3]	Philadelphia	J. W. Bransfield	753	1	1	1	200
Frankford Hospital [1-3]	Philadelphia	O. P. Large	1,432	11	1	3	250
St. Joseph's Hospital [1-3]	Philadelphia	J. A. Lehman	3,181	4	4	12	...
St. Mary's Hospital [3]	Philadelphia	P. A. McCarthy	2,917	6	1	1	250
Mercy Hospital [1-3]	Wilkes-Barre, Pa.	F. R. Hanlon	1,371	5	1	1	300
Columbia Hospital	Wilkinsburg, Pa.	W. B. Hetzel	2,179	15	1	2	300
Newell Hospital [3]	Chattanooga, Tenn.	E. T. Newell, Jr.	2,020	13	3	3	400
St. Mary's Memorial Hospital [1-3]	Knoxville, Tenn.	C. L. Chumley	1,592	9	4	8	300
Brackenridge Hospital [1-3]	Austin, Texas	R. O. Swearingen	1,672	21	1	4	300
Harris Hospital [1-3]	Fort Worth, Texas	C. J. Terrell	4,992	33	2	4	300
Southern Pacific Hospital [3]	Houston, Texas	J. R. Gandy	487	6	2	4	250
Baptist Memorial Hospital [1-3]	San Antonio, Texas	R. F. Gossett	5,243	33	1	1	150
Thomas D. Dee Memorial Hospital [1-3]	Ogden, Utah	O. E. Grua	2,178	9	2	2	250
Bishop De Goesbriand Hospital [1-3]	Burlington, Vt.	A. A. Gladstone	743	7	1	3	100
De Paul Hospital [1-3]	Norfolk, Va.	W. B. Hoover	1,599	11	2	3	200
St. Elizabeth's Hospital [1-3]	Richmond, Va.	G. W. Horsley	923	3	1	2	200
Doctors Hospital [1-3]	Seattle	D. K. Crystal	3,891	29	1	2	125
Providence Hospital [1]	Seattle	R. Pinkham	5,043	67	3	3	200
St. Luke's Hospital [1-3]	Spokane, Wash.	L. C. Pence	2,352	26	1	1	150
Laird Memorial Hospital [1-3]	Montgomery, W. Va.	W. R. Laird	1,955	8	1	2	...
Mercy Hospital	Janesville, Wis.	.....	.....	..	..	..	...
La Crosse Lutheran Hospital [1-3]	La Crosse, Wis.	S. B. Gundersen	870	3	1	1	300
Methodist Hospital [1-3]	Madison, Wis.	J. R. Steeper	5,083	65	1	1	200
Evangelical Deaconess Hospital [1-3]	Milwaukee	K. Schlaepfer	4,193	39	2	2	250
St. Luke's Hospital [1-3]	Milwaukee	J. J. Adamkiewicz	2,554	27	3	3	275

27. THORACIC SURGERY

The following services have been approved by the Council on Medical Education and Hospitals without specifying the number of years for which they are accredited.

Hospitals, 71; Assistant Residencies and Residencies, 170

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [3]	Total Residencies Offered [3]	Beginning Stipend (Month)
FEDERAL							
UNITED STATES ARMY							
Fitzsimons Army Hospital [1]	Denver	J. M. Salyer	460	16	..	..	...
Army Medical Center [1-3]	Washington, D. C.	P. W. Shafer	144	1	1	2	...
UNITED STATES NAVY							
U. S. Naval Hospital [1]	St. Albans, N. Y.	R. N. Grant	196	1	..	..	...
VETERANS ADMINISTRATION							
Veterans Admin. Hospital [1-3]	Los Angeles	F. X. Byron	299	20	2	2	...
Veterans Admin. Research Hospital [1]	Chicago	(See Northwestern University Medical Center)					
Veterans Admin. Hospital [1]	Hines, Ill.	H. T. Langston	235	7	4	6	...
Veterans Admin. Hospital [1-3]	Rutland Heights, Mass.	J. B. Petter	535	3	1	1	...
Veterans Admin. Hospital [1-3]	Minneapolis	T. J. Kinsella	98	7	1	1	...
Veterans Admin. Hosptial [1-3]	St. Louis	T. H. Burford	134	7	1	2	...
Veterans Admin. Hospital [1-3]	Brooklyn	R. Klopstock	135	6	1	2	...
Veterans Admin. Hospital [1-3]	Buffalo	W. M. Chardack	250	9	1	2	...
Veterans Admin. Hospital [1-3]	Castle Point, N. Y.	R. C. Barbieri	197	..	..	2	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	A. Himmelstein	148	4	2	3	...
Veterans Admin. Hospital	Sunmount, N. Y.	J. W. Bell	259	..	..	1	...
Veterans Admin. Hospital [1-3]	Oteen, N. C.	J. D. Murphy	1,085	34	..	5	...
Veterans Admin. Hospital [1-3]	Cleveland	H. J. Mendelsohn	141	10	1	2	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	F. A. Hughes	408	27	1	2	...
Veterans Admin. Hospital [1-3]	McKinney, Texas	R. E. Carr	195	10	1	2	...
Veterans Admin. Hospital [1-3]	Richmond, Va.	L. W. Bosher	239	18	1	2	...
Veterans Admin. Hospital [1-3]	(Wood) Milwaukee	F. Raine	140	6	1	1	...
NONFEDERAL							
City of Hope Medical Center	Duarte, Calif.	A. Goldman	418	26	1	1	400
Highland-Alameda County Hospital [1-3]	Oakland, Calif.	P. Samson	211	6	2	3	195
Harbor General Hospital [1-3]	Torrance, Calif.	B. Ramsay	97	2	1	3	200
National Jewish Hospital [3]	Denver	J. B. Grow	378	..	1	1	200

Numerical and other references will be found on page 363.

27. THORACIC SURGERY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Beginning Stipend (Month)
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	G. E. Lindskog	370	5	..	1	50
Cedarcrest Hospital [1-3]	Newington, Conn.	R. L. Kemler	143	9	1	1	335
Uncas-On-Thames [1-3]	Norwich, Conn.	W. O. Kelley	.....	..	1	1	335
George Washington University Hospital [1-3]	Washington, D. C.	B. Blades	344	7	2	2	267
University Hospital [1-3]	Augusta, Ga.	R. Major	234	5	..	1	160
Chicago State Tuberculosis Sanitarium	Chicago	H. T. Langston	476	9	2	2	300
Children's Memorial Hospital [1-3]	Chicago	W. J. Potts	178	11	..	1	75
City of Chicago Municipal Tuberculosis Sanitarium [1-3]	Chicago	W. M. Lees	1,336	4	..	7	175
Northwestern University Medical Center							
Veterans Admin. Hospital [1]	Chicago	E. Avery	28	3	1	4	...
University Hospital [1-3]	Baltimore	O. C. Brantigan	58	4	1	2	50
Boston City Hospital and Sanatorium Division [1-3]	Boston	J. W. Strieder	144	3	1	3	202
University Hospital [1-3]	Ann Arbor, Mich.	C. Haight	670	31	2	6	175
Herman Kiefer Hospital [1-3]	Detroit	E. J. O'Brien	1,596	4	4	7	505
Ingham Chest Hospital	Lansing, Mich.	C. J. Stringer	484	5	1	2	450
Barnes Hospital [1-3]	St. Louis	T. Burford	767	32	..	5	50
B. S. Pollak Hospital for Chest Diseases [1-3]	Jersey City, N. J.	F. Bortone	154	2	..	2	167
Kings County Hospital							
County Service	Brooklyn	E. H. Griffin	213	10	1	2	156
University Services [1-3]	Brooklyn	E. Mannix	182	9	2	3	104
Edward J. Meyer Memorial Hospital [1]	Buffalo	J. D. Stewart	147	10	..	2	179
Hermann N. Biggs Memorial Hospital [1-3]	Ithaca, N. Y.	R. Douglass	194	..	2	2	400
Triboro Hospital	Jamaica, N. Y.	L. Miscall	300	7	8	8	105
Mount Morris Tuberculosis Hospital [1-3]	Mt. Morris, N. Y.	J. M. Judd	98	1	2	2	400
Bellevue Medical Center							
Division I-Columbia University [1-3]	New York City	R. H. Wylie	226	4	2	4	105
Metropolitan Hospital [1-3]	New York City	S. A. Thompson	100	8	1	2	104
Montefiore Hospital [1-3]	New York City	A. H. Aufses	147	7	..	1	75
St. Joseph's Hospital for Chest Diseases [1-3]	New York City	W. W. Fischer	356	5	1	2	...
Homer Folks Tuberculosis Hospital [1-3]	Oneonta, N. Y.	A. M. Skinner	145	2	1	2	400
Ray Brook State Tuberculosis Hospital [1-3]	Ray Brook, N.Y.	D. Pecora	205	..	2	2	470
Sea View Hospital [1-3]	Staten Island, N. Y.	L. R. Davidson	300	1	4	7	157
Charlotte Memorial Hospital [1]	Charlotte, N. C.	J. M. Van Hoy	163	2	1	2	250
Duke University Hospital [1-3]	Durham, N. C.	W. C. Sealy	440	9	..	2	67
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	H. H. Bradshaw	170	..	..	..	...
City Hospital [1-3]	Cleveland	C. W. Munz	80	9	..	2	213
Sunny Acres Tuberculosis Sanitarium	Cleveland	S. O. Freedlander	160	2	..	..	458
Benjamin Franklin Hospital [1-3]	Columbus, Ohio	M. G. Buckles	446	1	1	2	475
Ohio State University Hospitals							
Ohio Tuberculosis Hospital [1-3]	Columbus, Ohio	N. C. Andrews	106	1	..	2	380
University Hospital [1-3]	Columbus, Ohio	K. P. Klassen	695	29	..	2	150
University of Oregon Medical School Hospitals							
and Clinics [1-3]	Portland, Ore.	W. S. Conklin	291	10	1	2	85
Episcopal Hospital [1-3]	Philadelphia	R. P. Glover	84	6	2	2	150
Hahnemann Medical College and Hospital [3]	Philadelphia	C. Bailey	1,035	90	3	5	...
Philadelphia General Hospital [1-3]	Philadelphia	C. P. Bailey-J. Johnson	49	..	1	1	113
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	D. M. Carr	420	7	1	2	100
West Tennessee Tuberculosis Hospital [1-3]	Memphis, Tenn.	F. H. Cole	.....	2	2	3	200
Baylor University Hospital [1-3]	Dallas, Texas	R. R. Shaw	562	14	2	2	125
University of Texas Medical Branch Hospitals	Galveston, Texas	A. W. Harrison	215	4	1	2	...
Dr. W. H. Groves Latter-Day Saints Hospital [1-3]	Salt Lake City	W. R. Rumel	264	9	..	2	275
University of Virginia Hospital [1-3]	Charlottesville, Va.	E. C. Drash	731	11	1	4	50
Firland Sanatorium [1-3]	Seattle	F. J. Jarvis	289	7	1	1	200
Leahi Hospital [1-3]	Honolulu, T. H.	P. W. Gebauer	.....	1	1	1	400

28. UROLOGY

The following services have been approved by the Council and the American Board of Urology, through the Residency Review Committee for Urology, as offering acceptable training in the specialty.

Hospitals, 215; Assistant Residencies and Residencies, 626

FEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [8]	Total Residencies Offered [8]	Length of Approved Program (Years)	Beginning Stipend (Month)
UNITED STATES ARMY								
Letterman Army Hospital [1]	San Francisco	E. Lowry	352	..	..	..	3	...
Fitzsimons Army Hospital [1]	Denver	C. W. Hoffman, Jr.	186	3	..	..	1	...
Army Medical Center [1-3]	Washington, D. C.	J. W. Schwartz	504	3	2	6	3	...
Brooke Army Hospital [1-3]	San Antonio, Texas	C. C. Dodson	867	12	2	6	3	...
Tripler Army Hospital [1]	Honolulu, T. H.	L. K. Mantell	832	2	1	4	3	...
UNITED STATES NAVY								
U. S. Naval Hospital [1]	Oakland, Calif.	M. S. Curtis	784	3	..	..	3	...
U. S. Naval Hospital [1]	San Diego, Calif.	J. R. Dillon, Jr.	1,204	15	..	..	3	...
U. S. Naval Hospital [1-3]	Bethesda, Md.	J. S. Hanten	865	4	1	3	3	...
U. S. Naval Hospital [1]	St. Albans, N. Y.	J. F. Richardson	473	1	..	..	3	...
U. S. Naval Hospital [1]	Philadelphia	J. T. Cangelosi	747	6	..	..	3	...
UNITED STATES PUBLIC HEALTH SERVICE								
U. S. Public Health Service Hospital [1-3]	Staten Island, N. Y.	C. Ferguson	652	11	1	3	3	...
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE								
Freedmen's Hospital [1-3]	Washington, D. C.	R. F. Jones	241	4	..	1	3	...
VETERANS ADMINISTRATION								
Veterans Admin. Hospital [1-3]	Birmingham, Ala.	J. F. Cason	326	5	1	2	3	...
Veterans Admin. Hospital [1-3]	Long Beach, Calif.	A. J. Bischoff	383	13	1	3	3	...
Veterans Admin. Hospital	Los Angeles	W. Goodwin	1,374	33	2	7	3	...
Veterans Admin. Hospital [1]	San Francisco	H. M. Weyrauch-D. R. Smith	269	9	1	3	3	...

Numerical and other references will be found on page 363.

28. UROLOGY—Continued

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
FEDERAL								
Veterans Admin. Hospital [1-3]	West Haven, Conn.	G. R. Read	96	4	1	2	2	...
Veterans Admin. Hospital [1-3]	Washington, D. C.	J. G. Lee	275	10	..	2	3	...
Veterans Admin. Hospital [1]	Atlanta, Ga.	W. N. Morrison	329	6	1	2	2	...
Veterans Admin. Hospital [1]	Hines, Ill.	F. Lloyd	1,182	26	4	12	3	...
Veterans Admin. Hospital [1]	Des Moines, Iowa	C. Losh, Jr.	774	6	2	2	2	...
Veterans Admin. Hospital [1-3]	Wadsworth, Kan.	I. S. Brown	164	5	1	3	3	...
Veterans Admin. Hospital [1-3]	New Orleans	E. Burns	247	5	1	3	3	...
Veterans Admin. Hospital [1-3]	Fort Howard, Md.	H. J. Meisel	235	6	1	1	3	...
Veterans Admin. Hospital [1-3]	Boston (Jamaica Plain)	R. Chute	873	15	1	2	2	...
Veterans Admin. Hospital [1]	Boston (West Roxbury)	H. S. Talbot	268	4	1	2	3	...
Veterans Admin. Hospital [1-3]	Dearborn, Mich.	J. M. Caputo	828	17	..	1	1	...
Veterans Admin. Hospital [1-3]	Minneapolis	C. D. Creevy	588	14	1	4	3	...
Veterans Admin. Hospital [1]	Kansas City, Mo.	(See University of Kansas Medical Center, Kansas City, Kan.)						
Veterans Admin. Hospital [1-3]	St. Louis	J. P. Altheide	208	2	1	3	3	...
Veterans Admin. Hospital [1-3]	Lincoln, Neb.	A. D. Munger	229	..	1	2	3	...
Veterans Admin. Hospital [1-3]	Brooklyn	F. L. Senger	584	10	1	3	3	...
Veterans Admin. Hospital [1-3]	Buffalo	W. M. Chardack	413	2	..	2	3	...
Veterans Admin. Hospital [1-3]	New York City (Bronx)	A. L. Dean	1,128	20	2	4	3	...
Veterans Admin. Hospital	New York City (Manhattan)		...	..	..	..	3	...
Veterans Admin. Hospital [1-3]	Cleveland	G. Austen, Jr.	228	13	1	3	3	...
Veterans Admin. Hospital [1-3]	Dayton, Ohio	H. I. Berman	803	16	1	3	3	...
Veterans Admin. Hospital [1-3]	Portland, Ore.	D. P. Paul	440	9	..	1	1	...
Veterans Admin. Hospital [1-3]	Philadelphia		342	19	1	3	3	...
Veterans Admin. Hospital [1]	Pittsburgh	C. A. Kuehn	308	17	2	5	3	...
Veterans Admin. Hospital [1-3]	Memphis, Tenn.	W. S. Bradley, Jr.	719	15	1	3	3	...
Veterans Admin. Hospital [1-3]	Dallas, Texas	R. C. Smith	198	9	1	2	2	...
Veterans Admin. Hospital [1-3]	Houston, Texas	(See Baylor University College of Medicine Affiliated Hospitals)						
Veterans Admin. Hospital [1-3]	McKinney, Texas	P. A. Duff	299	5	1	1	3	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	(See Dartmouth Medical College Hospitals, Hanover, N. H.)						
Veterans Admin. Hospital [1-3]	Richmond, Va.	R. C. Bunts	1,187	6	1	3	3	...
Veterans Admin. Hospital [1-3]	(Wood) Milwaukee	R. S. Irwin	689	24	1	3	3	...
NONFEDERAL								
Carraway Methodist Hospital [1-3]	Birmingham, Ala.	L. Timberlake-H. Hudson	365	2	1	1	3	250
University Hospital and Hillman Clinic [1-3]	Birmingham, Ala.	B. Barelare	396	7	1	3	3	108
Lloyd Noland Hospital [1-3]	Fairfield, Ala.	V. Scott	391	..	1	1	1	225
University Hospital [1-3]	Little Rock, Ark.	J. W. Headstream	229	1	..	3	3	165
Los Angeles County General Hospital [1]	Los Angeles	J. J. Crane	3,144	62	4	7	3	200
Presbyterian Hospital-Olmsted Memorial [1-3]	Los Angeles	T. O. Powell	1,053	1	..	2	2	125
White Memorial Hospital [1-3]	Los Angeles	R. W. Barnes	449	5	1	3	3	146
Highland-Alameda County Hospital	Oakland, Calif.		...	..	..	..	3	...
San Diego County General Hospital [1-3]	San Diego, Calif.	R. B. Mullenix	359	11	1	3	3	150
Southern Pacific General Hospital [1-3]	San Francisco	T. E. Gibson	520	2	1	3	3	150
Stanford University Hospitals			...	..	..	..	3	...
San Francisco Hospital (Stanford University Service) [3]	San Francisco	W. A. Sumner	566	7	1	2	..	175
Stanford University Hospital [1-3]	San Francisco	H. M. Weyrauch	474	4	1	3	3	80
University of California Hospitals			...	..	..	..	3	...
Franklin Hospital [1-3]	San Francisco	J. W. Schulte	472	5	1	2	..	116
San Francisco Hospital (University of California Service) [3]	San Francisco	S. Olsen	566	6	1	1	..	175
University of California Hospital [1-3]	San Francisco	D. R. Smith	535	1	..	3	..	87
Santa Clara County Hospital [1]	San Jose, Calif.	E. W. McElligott	191	6	..	1	..	...
Harbor General Hospital [1-3]	Torrence, Calif.	E. Belt	545	19	1	3	3	200
University of Colorado Medical Center								
Colorado General Hospital [1-3]	Denver	D. R. Higbee	253	3	1	3	3	150
Denver General Hospital [1-3]	Denver	D. E. Newland	288	10	..	..	3	...
Grace-New Haven Community Hospital [1-3]	New Haven, Conn.	B. M. Harvard	924	18	..	2	3	50
Hospital of St. Raphael [3]	New Haven, Conn.	L. Maurer	777	..	1	3	3	125
Waterbury Hospital [1]	Waterbury, Conn.	C. H. Neuswanger	410	3	1	2	2	225
Delaware Hospital [1-3]	Wilmington, Del.	B. S. Vallett	492	4	1	2	3	180
District of Columbia General Hospital [1-3]	Washington, D. C.	R. Baker-L. Culbertson	335	4	1	3	3	143
Duval Medical Center [1-3]	Jacksonville, Fla.	R. B. McIver	336	9	..	1	2	175
St. Vincent's Hospital [1-3]	Jacksonville, Fla.	R. B. McIver	488	1	1	2	2	135
Jackson Memorial Hospital [1-3]	Miami, Fla.	W. L. Fitzgerald	1,220	12	1	4	3	75
Orange Memorial Hospital [1-3]	Orlando, Fla.	L. M. Orr	978	12	1	3	3	150
Grady Memorial Hospital [1-3]	Atlanta, Ga.	M. K. Bailey	820	7	2	6	3	20
University Hospital [1-3]	Augusta, Ga.	J. R. Rinker	506	5	1	1	3	160
Cook County Hospital [1-3]	Chicago	W. J. Baker	889	19	4	4	3	...
Mercy Hospital [1-3]	Chicago	H. E. Landes	930	5	1	3	3	100
Michael Reese Hospital [1-3]	Chicago	I. Shapiro	916	11	1	3	3	50
Mount Sinai Hospital [1-3]	Chicago	L. A. Maslow	314	1	1	1	2	100
Northwestern University Medical Center								
Chicago Wesley Memorial Hospital [1-3]	Chicago	V. J. O'Conor	925	5	1	2	3	50
Evanston Hospital [1-3]	Evanston, Ill.	J. Farrell	454	6	1	1	1	...
Presbyterian Hospital [1]	Chicago	N. J. Heckel	750	5	1	2	3	125

Numerical and other references will be found on page 363.

28. UROLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [6]	Total Residencies Offered [6]	Length of Approved Program (Years)	Beginning Stipend (Month)
St. Luke's Hospital [1-3]	Chicago	T. P. Grauer	588	8	1	2	3	50
University of Chicago Clinics [1-3]	Chicago	C. W. Vermeulen	463	18	1	3	3	175
University of Illinois Research and Educational Hospitals [1]	Chicago	J. H. Kiefer	276	5	..	1	3	...
Indianapolis General Hospital [1-3]	Indianapolis	J. E. Baich	801	9	1	4	3	165
Indiana University Medical Center [1]	Indianapolis	R. Garrett	264	4	1	4	3	165
Methodist Hospital [1-3]	Indianapolis	J. M. Young	1,975	10	1	2	1	273
University Hospitals [1-3]	Iowa City	R. H. Flocks	2,055	44	3	8	3	118
University of Kansas Medical Center [1-3]	Kansas City, Kan.	W. Valk	...	..	..	..	3	...
University Hospital [1-3]	Kansas City, Kan.		868	16	2	6	..	125
Veterans Admin. Hospital [1]	Kansas City, Mo.		261	14	..	2	..	...
St. Joseph Hospital [1-3]	Lexington, Ky.	E. H. Ray	637	3	1	1	1	230
Louisville General Hospital [1-3]	Louisville, Ky.	R. Lich, Jr.	326	2	..	3	3	105
Charity Hospital of Louisiana Independent Unit [1]	New Orleans	R. J. Mailhes	655	5	1	3	3	100
Louisiana State University Unit [1]	New Orleans	H. T. Beacham	795	11	2	6	3	100
Tulane University Unit [1]	New Orleans	E. Burns	888	15	2	6	3	100
Ochsner Foundation Hospital [1]	New Orleans	E. Burns	383	4	1	3	3	200
Confederate Memorial Medical Center [1]	Shreveport, La.	R. K. Womack	788	5	1	3	3	125
Johns Hopkins Hospital [1-3]	Baltimore	W. W. Scott	965	16	..	4	3	20
Sinai Hospital [1-3]	Baltimore	B. S. Abeshouse	701	13	1	4	3	110
University Hospital [1-3]	Baltimore	W. H. Toulson	435	8	1	2	3	50
Beth Israel Hospital [1-3]	Boston	G. C. Prather	453	3	1	1	2	100
Boston City Hospital [1-3]	Boston	F. G. Sheddan, Jr.	514	2	..	4	3	162
Massachusetts General Hospital [1-3]	Boston	W. F. Leadbetter	1,029	8	1	2	3	800
Massachusetts Memorial Hospitals [1-3]	Boston	S. Vose	344	3	1	3	3	50
New England Center Hospital [1-3]	Boston	W. F. Leadbetter	259	2	1	1	1	125
Peter Bent Brigham Hospital [1-3]	Boston	J. H. Harrison	...	..	..	1	2	42
Mount Auburn Hospital [1-3]	Cambridge, Mass.	W. F. Leadbetter	259	2	1	1	1	125
Salem Hospital [1-3]	Salem, Mass.	E. L. Peirson	492	4	..	1	1	150
University Hospital [1-3]	Ann Arbor, Mich.	R. M. Nesbit	1,370	12	2	6	3	175
Grace Hospital [1-3]	Detroit	G. C. Burr	1,344	10	1	2	3	225
Harper Hospital [1-3]	Detroit	G. Sewell	1,536	26	1	3	3	225
Henry Ford Hospital [1-3]	Detroit	A. W. Bohne	748	7	2	6	3	225
Receiving Hospital [1-3]	Detroit	D. J. Jaffar	577	17	1	3	3	270
Wayne County General Hospital and Infirmary [1-3]	Eloise, Mich.	W. L. Sherman	...	..	1	3	3	279
Blodgett Memorial Hospital [1-3]	Grand Rapids, Mich.	J. A. Ryan	500	3	1	2	2	225
Minneapolis General [1-3]—St. Mary's Hospitals [1-3]	Minneapolis	T. H. Sweetser, Sr.	909	19	2	3	3	182
University of Minnesota Hospitals [1-3]	Minneapolis	C. D. Creevy	819	19	1	4	3	162
Mayo Foundation [1-3]	Rochester, Minn.	G. J. Thompson	3,541	32	5	15	3	150
Ancker [1-3]—Charles T. Miller Hospitals [1]	St. Paul	F. E. B. Foley	877	15	1	4	3	162
Kansas City General Hospital No. 1 [1-3]	Kansas City, Mo.	A. L. Stockwell	364	1	1	3	3	150
Research Hospital [1-3]	Kansas City, Mo.	R. L. Hoffman	491	4	1	3	3	150
Barnes Hospital [1-3]	St. Louis	J. J. Cordonnier	967	12	1	3	3	50
Homer G. Phillips Hospital [1-3]	St. Louis	M. Abrams	447	5	..	4	3	215
Missouri Baptist Hospital [1-3]	St. Louis	C. E. Burford	813	12	1	1	1	175
Missouri Pacific Hospital [3]	St. Louis	A. E. Vitt	580	4	1	3	2	...
St. Louis City Hospital [1-3]	St. Louis	C. Wattenberg-W. Melick	328	9	1	3	3	190
St. Mary's Group of Hospitals [1-3]	St. Louis	C. E. Burford	651	3	1	3	3	100
Dartmouth Medical College Hospitals			737	13	1	3	3	188
Mary Hitchcock Memorial Hospital [1-3]	Hanover, N. H.	W. L. McLaughlin	...	..	..	..	..	...
Veterans Admin. Hospital [1]	White River Junction, Vt.	W. L. McLaughlin	...	..	..	..	..	...
Bayonne Hospital and Dispensary [3]	Bayonne, N. J.	A. J. Balsamo	732	1	1	2	3	125
Jersey City Medical Center [1-3]	Jersey City, N. J.	E. J. Daly	588	4	1	3	3	125
Harrison S. Martland Medical Center [1-3]	Newark, N. J.	E. Seidman	336	7	1	2	3	162
Orange Memorial Hospital [1-3]	Orange, N. J.	W. P. Burpeau-J. K. DeVries	525	7	1	1	2	150
Albany Hospital [1-3]	Albany, N. Y.	J. Heslin	965	17	1	3	3	...
Jewish Hospital [1-3]	Brooklyn	L. Baretz	715	8	1	2	2	75
Kings County Hospital County Service	Brooklyn	G. Horton	843	6	1	3	3	104
University Service [1-3]	Brooklyn	F. C. Hamm	651	11	1	3	..	104
Long Island College Hospital [1-3]	Brooklyn	F. L. Senger	647	3	1	3	3	75
Maimonides Hospital [1-3]	Brooklyn	H. Herman-F. Senger	1,005	5	..	3	3	75
Methodist Hospital [1-3]	Brooklyn	O. P. Schoenemann	731	5	1	1	3	175
Buffalo General Hospital [1-3]	Buffalo	O. J. Oberkircher	891	3	1	2	3	175
Edward J. Meyer Memorial Hospital [1]	Buffalo		343	14	1	3	3	179
Millard Fillmore Hospital [1-3]	Buffalo	G. E. Slotkin	773	1	1	3	3	255
Meadowbrook Hospital [1-3]	Hempstead, N. Y.	R. M. Bowles	498	18	1	3	3	225
Queens Hospital Center [1-3]	Jamaica, N. Y.	E. Rubin	320	10	1	3	3	105
Bellevue Medical Center Division II-Cornell University [1-3]	New York City	J. W. Draper	543	7	1	4	3	71
Division IV-New York University Post-Graduate Medical School [1-3]	New York City	R. S. Hotchkiss	488	8	2	7	3	71
Beth Israel Hospital [1-3]	New York City	S. F. Wilhelm	720	6	1	3	3	120

Numerical and other references will be found on page 363.

28. UROLOGY—Continued

NONFEDERAL

Name of Hospital	Location	Chief of Service	Inpatients Treated	Autopsies	First Year Residencies Offered [5]	Total Residencies Offered [5]	Length of Approved Program (Years)	Beginning Stipend (Month)
Fordham Hospital [1-3]	New York City	L. V. Smiley	285	7	1	2	1	105
French Hospital [1-3]	New York City	J. D. Cooney	512	5	1	3	3	83
Lincoln Hospital [1-3]	New York City	F. P. Twinem	186	6	1	2	3	105
Metropolitan Hospital [1-3]	New York City	T. J. Kirwin	447	1	1	2	2	104
Morrisania City Hospital [1-3]	New York City	J. J. Roth	723	16	2	4	3	105
Mount Sinai Hospital [1-3]	New York City	G. Oppenheimer	999	14	3	5	3	50
New York City Hospital [1-3]	New York City	G. A. Fiedler	273	9	1	2	2	104
New York Hospital [1-3]	New York City	V. Marshall	1,085	..	4	6	3	84
New York Polyclinic Medical School and Hospital [1-3]	New York City	J. S. Ritter	674	3	1	3	3	...
Presbyterian Hospital [1-3]	New York City	G. P. Cahill	1,592	11	2	6	3	208
Roosevelt Hospital [1-3]	New York City	S. A. Beisler	560	6	1	3	3	116
St. Clare's Hospital [1-3]	New York City	G. H. Fiedler	275	3	1	3	3	125
St. Luke's Hospital [1-3]	New York City	J. A. Taylor	540	3	1	3	3	75
Strong Memorial-Rochester Municipal Hospital [1-3]	Rochester, N. Y.	W. W. Scott	8,771	..	1	3	3	...
Charlotte Memorial Hospital [1]	Charlotte, N. C.	H. McKay	1,493	7	1	4	3	250
Duke University Hospital [1-3]	Durham, N. C.	E. P. Alyea	576	4	2	8	3	150
Watts Hospital [1-3]	Durham, N. C.	L. C. Roberts	580	5	1	3	2	100
North Carolina Baptist Hospitals [1-3]	Winston-Salem, N. C.	F. K. Garvey	703	6	1	3	3	125
City Hospital [1-3]	Akron, Ohio	W. A. Keitzer	895	..	1	3	3	250
Cincinnati General Hospital [1-3]	Cincinnati	T. B. Wayman	616	23	3	9	3	50
City Hospital [1-3]	Cleveland	H. R. Trattner	290	7	..	2	3	178
Cleveland Clinic Hospital [1-3]	Cleveland	C. C. Higgins	1,207	11	3	6	3	175
University Hospitals [1-3]	Cleveland	J. J. Joelson	683	5	..	2	2	125
Ohio State University Hospitals University Hospital [1-3]	Columbus, Ohio	W. N. Taylor	788	10	2	6	3	150
Huron Road Hospital [1-3]	East Cleveland, Ohio	V. C. Laughlin	609	7	1	3	3	210
St. Vincent's Hospital [1-3]	Toledo, Ohio	E. A. Ockuly	1,060	9	1	3	3	225
University Hospitals [1-3]	Oklahoma City	D. W. Branham	336	5	1	2	3	85
St. John's Hospital [1-3]	Tulsa, Okla.	B. H. Blocksom	887	7	1	3	3	...
St. Vincent's Hospital [1-3]	Portland, Ore.	J. R. Hand	1,107	13	1	2	2	175
University of Oregon Medical School Hospitals and Clinics [1-3]	Portland, Ore.	C. V. Hodges	454	18	1	4	3	...
Allentown Hospital [1-3]	Allentown, Pa.	W. C. Masonheimer	923	9	1	1	2	225
George F. Geisinger Memorial Hospital [1-3]	Danville, Pa.	W. I. Buchert	1,088	5	1	3	3	125
St. Vincent's Hospital [1-3]	Erie, Pa.	E. Hess	1,092	12	1	4	3	100
Episcopal Hospital [1-3]	Philadelphia	G. D. Shoup	384	5	2	2	3	150
Germantown Dispensary and Hospital [1-3]	Philadelphia	F. P. Massaniso	572	1	1	1	1	150
Graduate Hospital of the University of Pennsylvania [1-3]	Philadelphia	C. A. W. Uhle	201	1	1	1	1	...
Hahnemann Medical College and Hospital [3]	Philadelphia	E. W. Campbell	895	7	1	3	3	75
Hospital of the University of Pennsylvania [1-3]	Philadelphia	B. Hughes	894	9	1	4	3	125
Jefferson Medical College Hospital [1-3]	Philadelphia	T. R. Fetter	1,102	11	..	4	3	40
Lankenau Hospital [1-3]	Philadelphia	C. A. W. Uhle	419	8	1	2	2	100
Pennsylvania Hospital [1-3]	Philadelphia	L. B. Greene	434	4	2	2	3	20
Philadelphia General Hospital [1-3]	Philadelphia	L. McCrea	413	11	1	4	3	113
Presbyterian Hospital [1-3]	Philadelphia	F. G. Harrison, Sr.	346	8	1	1	2	100
Temple University Hospital [1-3]	Philadelphia	K. B. Conger	639	6	1	2	3	...
Allegheny General Hospital [1]	Pittsburgh	J. L. Hamilton	826	13	2	2	3	200
Mercy Hospital [1-3]	Pittsburgh	C. C. Altman	634	1	1	2	3	175
Pittsburgh Medical Center [1-3]	Pittsburgh	J. J. Lee	491	4	1	3	3	125
Robert Packer Hospital [1-3]	Sayre, Pa.	W. Baurys	560	11	..	1	3	150
Mercy Hospital [1-3]	Wilkes-Barre, Pa.	P. P. Mayock	261	..	1	1	1	300
Wilkes-Barre General Hospital [1-3]	Wilkes-Barre, Pa.	W. J. Daw	825	7	1	2	2	225
Rhode Island Hospital [1-3]	Providence, R. I.	H. K. Turner	817	10	1	1	2	100
Roper Hospital [1-3]	Charleston, S. C.	J. J. Ravenel	789	3	1	3	3	...
Orangeburg Regional Hospital [3]	Orangeburg, S. C.	L. P. Thackston	1,531	12	1	2	3	200
Baptist Memorial Hospital [1-3]	Memphis, Tenn.	H. D. Woodson	1,545	11	..	1	1	100
John Gaston Hospital [1-3]	Memphis, Tenn.	S. Raines	762	13	2	6	3	85
Vanderbilt University Hospital [1-3]	Nashville, Tenn.	C. E. Haines	259	2	1	3	3	50
Parkland Memorial Hospital [1-3]	Dallas, Texas	H. Spence	370	4	1	2	3	50
University of Texas Medical Branch Hospitals [1-3]	Galveston, Texas	R. E. Cone	536	6	1	3	3	...
Baylor University College of Medicine Affiliated Hospitals Jefferson Davis Hospital [1-3]	Houston, Texas	J. R. Blundell	428	15	..	2	3	...
St. Joseph's Hospital [1]	Houston, Texas	M. K. O'Heeron	811	4	1	1	1	175
Veterans Admin. Hospital [1-3]	Houston, Texas	J. R. Blundell	557	10	1	3	1	...
Hermann Hospital [1]	Houston, Texas	C. M. Crigler	2,302	11	2	4	3	100
Mary Fletcher Hospital [1-3]	Burlington, Vt.	P. R. Powell	405	4	1	3	3	100
University of Virginia Hospital [1-3]	Charlottesville, Va.	S. A. Vest	658	8	2	5	3	50
Medical College of Virginia-Hospital Division [1-3]	Richmond, Va.	A. I. Dodson	767	7	1	3	3	75
King County Hospital Unit No. 1 (Harborview)	Seattle	D. F. McDonald	478	17	..	1	2	110
La Crosse Lutheran Hospital [1-3]	La Crosse, Wis.	A. H. Gundersen	444	3	1	1	1	300
Madison General Hospital [1-3]	Madison, Wis.	P. R. Kundert	835	16	1	1	3	150
University Hospitals [1]	Madison, Wis.	J. B. Wear	498	13	1	3	3	50
Milwaukee County Hospital [1-3]	Milwaukee	R. S. Irwin	709	15	1	3	3	209
San Juan City Hospital [1-3]	San Juan, P. R.	L. A. Sanjurjo	178	2	1	2	3	150

Numerical and other references will be found on page 363.

AFFILIATING SERVICES

The following hospitals (affiliating) offer acceptable training that is integrated with or contributory to the approved program of the sponsoring hospital (parent).

Parent Hospital	Location	Affiliating Hospitals
Children's Hospital	Birmingham, Ala.	Ped.—Crippled Children's.
Lloyd Noland Hospital	Fairfield, Ala.	Ortho. Surg.—Crippled Children's.
Veterans Administration Hospital	Tuskegee, Ala.	Int. Med., Surg.—John A. Andrew Memorial, Tuskegee Institute.
St. Joseph's Hospital	Phoenix, Ariz.	Ob.-Gyn., Surg.—Maricopa County.
Tucson Medical Center	Tucson, Ariz.	Int. Med., Surg.—Pima County.
Arkansas Baptist Hospital	Little Rock, Ark.	Ophth.—University.
Arkansas State Hospital	Little Rock, Ark.	Psych.—Veterans Administration, North Little Rock, Ark.
University Hospital	Little Rock, Ark.	Path., Urol.—Missouri Pacific Hospital, State, Veterans Administration.
Agnews State Hospital	Agnew, Calif.	Psych.—Langley Porter Clinic-Hospital, San Francisco, Calif.
Compton Sanitarium	Compton, Calif.	Psych.—Los Angeles County General, White Memorial, Los Angeles.
General Hospital of Fresno County	Fresno, Calif.	Ped.—Valley Children's; Surg.—Stanford University Hospital, San Francisco.
Glendale Sanitarium and Hospital	Glendale, Calif.	Int. Med.—Los Angeles County General, Los Angeles; Surg.—White Memorial, Los Angeles.
Napa State Hospital	Imola, Calif.	Psych.—Langley Porter Clinic-Hospital, San Francisco.
Arroyo Del Valle Santorium	Livermore, Calif.	Pul. Dis.—Highland-Alameda County, Oakland, Calif.
Loma Linda Hospital and Sanitarium	Loma Linda, Calif.	Path.—San Bernardino County Charity, San Bernardino, Calif., White Memorial, Los Angeles.
Veterans Administration Hospital	Long Beach, Calif.	Int. Med., Neuro. Surg.—Children's, Los Angeles, Harbor General, Torrance, Calif.; Rad.—Los Angeles County General, Los Angeles; Surg.—Children's, Los Angeles.
California Babies and Children's Hospital	Los Angeles.	Ped.—California, San Diego County General, San Diego, Calif.
California Hospital	Los Angeles.	Int. Med.—Orange County, Orange, Calif., Collis P. and Howard Huntington Memorial, Pasadena, Calif., Santa Monica, Santa Monica, Calif.; Ob., Surg.—Orange County, Orange, Calif., Santa Monica, Santa Monica, Calif.
Childrens Hospital	Los Angeles.	Ped.—Hollywood Presbyterian-Olmsted Memorial, Los Angeles County General, Orange County, Orange, Calif.
Hollywood Presbyterian-Olmsted Memorial Hospital	Los Angeles.	Urol.—Children's.
Los Angeles County General Hospital	Los Angeles.	Anes.—Rancho Los Amigos, Hondo, Calif., Children's, Olive View Sanatorium, Olive View, Calif.; Otol.—Children's.
Los Angeles Eye and Ear Hospital	Los Angeles.	Ophth., Otol.—Children's, Los Angeles County General.
Veterans Administration Hospital	Los Angeles.	Psych.—Child Guidance Clinic, Los Angeles County Juvenile Hall, Marion Davies Clinic; Plas. Surg.—Integrated training of one year to meet requirements of American Board of Plastic Surgery available in an approved preceptorship.
White Memorial Hospital	Los Angeles.	Anes.—Children's; Neuro., Neuro. Surg.—Metropolitan, Norwalk, Calif.; Ortho. Surg., Proct., Surg.—Glendale Sanitarium and Hospital, Glendale, Calif.; Ped.—Los Angeles County General, Pacific Colony, Spadra, Calif.
Bret Harte Sanatorium	Murphys, Calif.	Pul. Dis.—San Joaquin General, French Camp, Calif.
Metropolitan State Hospital	Norwalk, Calif.	Psych.—Camarillo State, Camarillo, Calif., Los Angeles County General, Veterans Administration, White Memorial, Los Angeles, California Youth Authority Reception Center, Pasadena Child Guidance Center, Pasadena, Calif., Pacific State, Spadra, Calif.
Children's Hospital of the East Bay	Oakland, Calif.	Ped.—Highland-Alameda County.
Highland-Alameda County Hospital	Oakland, Calif.	Int. Med.—Samuel Merritt, Fairmount Hospital of Alameda County, San Leandro, Calif.; Ob.-Gyn., Surg., Thor. Surg.—Samuel Merritt.
Peralta Hospital	Oakland, Calif.	Surg.—Highland-Alameda County.
Samuel Merritt Hospital	Oakland, Calif.	Surg.—Highland-Alameda County.
Veterans Administration Hospital	Palo Alto, Calif.	Psych.—Cowell, State Mental Hygiene Clinic, Berkeley, Calif., Veterans Administration, Oakland, Calif., Langley Porter Clinic-Hospital, Stanford-Lane, Veterans Administration Mental Hygiene Clinic, San Francisco, Child Guidance Clinic, San Mateo, Calif.
Collis P. and Howard Huntington Memorial Hospital	Pasadena, Calif.	Ob.-Gyn.—Woman's.
Patton State Hospital	Patton, Calif.	Psych.—San Bernardino County, San Bernardino, Calif., Langley Porter Clinic-Hospital, San Francisco.
Sequoia Hospital	Redwood City, Calif.	Gen'l Pract.—County Community, San Mateo, Calif.
Franklin Hospital	San Francisco.	Int. Med., Ortho. Surg., Path., Plas. Surg., Surg., Urol.—University of California Hospital.
Shriners Hospital for Crippled Children	San Francisco.	Ortho. Surg.—Hospital for Women and Children.
University of California Hospital	San Francisco.	Int. Med.—Ernest V. Cowell Memorial, Berkeley, Calif., Langley Porter Clinic-Hospital, San Francisco; Neuro. Surg.—Franklin, San Francisco; Ob.-Gyn.—Herrick Memorial, Berkeley, Calif., Highland-Alameda County, Oakland, Calif., St. Luke's, San Francisco; Ophth., Otol.—San Francisco, Southern Pacific; Ped.—Children's, Hospital for Women and Children, Franklin, Langley Porter Clinic-Hospital, San Francisco, Shriners Hospital for Crippled Children; Rad.—San Francisco; Surg.—Mills Memorial, San Francisco.
Veterans Administration Hospital	San Francisco.	Neuro., Surg.—Stanford University, University of California.
Santa Clara County Hospital	San Jose, Calif.	Ob.-Gyn.—San Jose; Ortho. Surg.—University of Iowa Hospitals, Iowa City.
Santa Barbara Cottage Hospital	Santa Barbara, Calif.	Int. Med., Surg.—Santa Barbara General.
Harbor General Hospital	Torrance, Calif.	Int. Med., Ped.—Los Angeles County General, Los Angeles; Urol.—Veterans Administration.
Children's Hospital	Denver.	Ped.—Booth Memorial, National Jewish, St. Joseph's.
Colorado Psychopathic Hospital	Denver.	Psych.—Denver General, Veterans Administration.
Denver General Hospital	Denver.	All Services—Colorado General.
National Jewish Hospital	Denver.	Pul. Dis., Thor. Surg.—Children's.
St. Luke's Hospital	Denver.	Path., Surg.—Children's.
Veterans Administration Hospital	Denver.	Ortho. Surg.—Denver General; Path.—Children's, St. Luke's; Psych.—Colorado General, Colorado Psychopathic; Rad.—Children's; Surg.—Denver General, General Rose Memorial.
St. Vincent's Hospital	Bridgeport, Conn.	Int. Med., Ob., Surg.—New York University-Bellevue Medical Center, New York City.
Hartford Hospital	Hartford, Conn.	Anes.—J. J. McCook Memorial, Newington Home and Hospital for Crippled Children, Newington, Conn., Veterans Administration, Newington, Conn., Beverly, Beverly, Mass., Holyoke, Holyoke, Mass.; Int. Med.—Cedarcrest State Tuberculosis Sanatorium, Veterans Administration, Newington, Conn., Uncas-on-Thames State Tuberculosis Sanatorium, Norwich, Conn.; Neuro. Surg.—Grace-New Haven Community, New Haven, Conn.; Ob.-Gyn.—Veterans Administration, Newington, Conn.; Path.—Cedarcrest State Tuberculosis Sanatorium, Uncas-on-Thames State Tuberculosis Sanatorium, Norwich, Conn., Day-Kimball, Putnam, Conn., Johnson Memorial, Stafford Springs, Conn., Windham Community Memorial, Willimantic, Conn.; Ped.—Grace-New Haven Community, New Haven, Conn.; Rad.—Veterans Administration, Newington, Conn.; Surg.—Veterans Administration, Newington, Conn., State Veterans Home and Hospital, Rocky Hill, Conn., Memorial, New York City.

Numerical and other references will be found on page 363.

AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Institute of the Living	Hartford, Conn.	Psych.—Hartford.
St. Francis Hospital	Hartford, Conn.	Int. Med.—Uncas-on-Thames State Tuberculosis Sanatorium, Norwich, Conn.; Ped.—J. J. McCook Memorial, St. Agnes Home, Newington Home and Hospital for Crippled Children, Newington, Conn.
Silver Hill Foundation	New Canaan, Conn.	Psych.—Greenwich, Greenwich, Conn., Norwalk, Norwalk, Conn., St. Joseph's, Stamford, Stamford, Conn.
Grace-New Haven Community Hospital	New Haven, Conn.	Int. Med.—Uncas-on-Thames State Tuberculosis Sanatorium, Norwich, Conn.; Ped.—Hospital of St. Raphael, Southbury Training School; Surg.—Uncas-on-Thames State Tuberculosis Sanatorium, Windham Memorial.
Hospital of St. Raphael	New Haven, Conn.	Int. Med.—Laurel Heights Sanatorium, Shelton, Conn.
Norwich State Hospital	Norwich, Conn.	Psych.—Hartford, Hartford, Conn.
State of Connecticut Veterans Home and Hospital	Rocky Hill, Conn.	Phys. Med.—Hartford, Hartford, Conn., Grace-New Haven Community, New Haven, Conn., Newington Home and Hospital for Crippled Children, Newington, Conn.
Laurel Heights State Tuberculosis Sanatorium	Shelton, Conn.	Pul. Dis.—Grace-New Haven Community, New Haven, Conn.
Charlotte Hungerford Hospital	Torrington, Conn.	Gen'l Pract.—Waterbury, Waterbury, Conn.
Veterans Administration Hospital	West Haven, Conn.	Int. Med., Psych.—Grace-New Haven Community, New Haven, Conn.; Rad.—Hospital of St. Raphael, New Haven, Conn.; Surg.—Grace-New Haven Community, New Haven, Conn., Stamford, Stamford, Conn.
Armed Forces Institute of Pathology	Washington, D. C.	Path.—Soldiers Home.
Army Medical Center	Washington, D. C.	Thor. Surg.—Glen Dale Tuberculosis Sanatorium, Glen Dale, Md.
Central Dispensary and Emergency Hospital	Washington, D. C.	Surg.—Children's, Suburban, Bethesda, Md.
Children's Hospital	Washington, D. C.	Ped.—Garfield Memorial.
Doctor's Hospital	Washington, D. C.	Surg.—Eastern Dispensary and Casualty.
Eastern Dispensary and Casualty Hospital	Washington, D. C.	Gen'l Pract.—Sibley Memorial.
Episcopal Eye, Ear and Throat Hospital	Washington, D. C.	Ophth.—Children's, Emergency: Otol.—Children's, District of Columbia General, Georgetown University.
Freedman's Hospital	Washington, D. C.	Ped.—Children's, District of Columbia General.
Garfield Memorial Hospital	Washington, D. C.	Surg.—Children's.
Georgetown University Hospital	Washington, D. C.	Psych.—District of Columbia General, Veterans Administration, Seton, Baltimore; Int. Med.—Prince George General, Cheverly, Md., Arlington, Arlington, Va.
George Washington University Hospital	Washington, D. C.	Ped.—Children's; Surg.—District of Columbia General, St. Elizabeth, Veterans Administration, Martinsburg, W. Va.
St. Elizabeth's Hospital	Washington, D. C.	Psych.—George Washington University.
Sibley Memorial Hospital	Washington, D. C.	Ob.-Gyn.—Central Dispensary and Casualty.
Veterans Administration Hospital	Washington, D. C.	Int. Med.—Georgetown University, George Washington University; Urol.—Children's.
Veterans Administration Hospital	Coral Gables, Fla.	Int. Med.—National Children's Cardiac Home, Miami, Fla.; Path.—Mercy Hospital, Miami, Fla.; Surg.—Variety Children's, Victoria, Miami, Fla.
Duval Medical Center	Jacksonville, Fla.	Ped.—St. Luke's, Brewster.
St. Vincent's Hospital	Jacksonville, Fla.	Gen'l Pract.—Duval Medical Center; Surg.—Brewster.
Jackson Memorial Hospital	Miami, Fla.	Ortho. Surg.—Variety Children's.
Mound Park Hospital	St. Petersburg, Fla.	Ob.-Gyn., Surg.—American Legion Hospital for Crippled Children.
Crawford W. Long Memorial Hospital	Atlanta, Ga.	Ob.-Gyn., Ped.—Grady Memorial.
Georgia Baptist Hospital	Atlanta, Ga.	Ped.—Grady Memorial.
Veterans Administration Hospital	Atlanta, Ga.	All Services—Grady Memorial, Emory University, Emory University, Ga.
University Hospital	Augusta, Ga.	Int. Med.—Battey State, Rome, Ga., Milledgeville State, Milledgeville, Ga.; Ob.-Gyn.—Columbus City, Columbus, Ga., Macon City, Macon, Ga.; Thor. Surg.—Battey State, Rome, Ga.
Veterans Administration Hospital	Augusta, Ga.	Int. Med., Psych., Rad., Surg.—University.
Georgia Warm Springs Foundation	Warm Springs, Ga.	Phys. Med.—To include one year of training at Emory University Hospital, Emory University, Ga.
Chicago Maternity Center	Chicago	Ob.-Gyn.—Chicago Wesley Memorial.
Chicago State Hospital	Chicago	Psych.—Illinois Neuropsychiatric Institute, Institute for Juvenile Research, Mental Health Center, Psychiatric Institute of the Municipal Court, Dixon State School, Dixon, Ill.
Children's Memorial Hospital	Chicago	Ped.—Chicago Wesley Memorial, Passavant.
Columbus Hospital	Chicago	Int. Med.—Cook County.
Cook County Hospital	Chicago	Int. Med.—May include one year training in hematology.
Frank Cuneo Memorial Hospital	Chicago	Ob.-Gyn.—Columbus.
Illinois Eye and Ear Infirmary	Chicago	Ophth.—Presbyterian, University of Illinois Research and Educational; Otol.—Presbyterian.
Lewis Memorial Maternity Hospital	Chicago	Ob.-Gyn.—Lorretto, Mercy, St. Anne's, St. Vincent's Infant and Maternity.
Mercy Hospital	Chicago	Int. Med., Ped.—City of Chicago Municipal Tuberculosis Sanitarium, LaRabida Jackson Park Sanitarium; Ob.-Gyn.—St. Anne's; Surg.—City of Chicago Municipal Tuberculosis Sanitarium.
Michael Reese Hospital	Chicago	Int. Med.—May include one year in the Medical Research Institute (and Post-Graduate School); Ob.-Gyn.—Chicago Maternity Center; Ped.—Municipal Contagious Disease; Psych.—Municipal Courts and Drexel Home.
Municipal Contagious Disease Hospital	Chicago	Con. Dis.—Presbyterian, Michael Reese, University of Illinois Research and Educational.
Northwestern University Medical Center	Chicago	Anes., Derm. Syph.—Veterans Administration Research; Int. Med., Otol.—Cook County; Neuro.—Chicago Wesley Memorial, Passavant, Veterans Administration Research; Otol.—Michael Reese, St. Luke's; Phys. Med.—Cook County, Rehabilitation Institute; Psych.—Chicago Wesley Memorial, Veterans Administration Research; Urol.—Veterans Administration Research.
Provident Hospital	Chicago	Surg.—Michael Reese.
St. Luke's Hospital	Chicago	Neuro., Psych.—Illinois Neuropsychiatric Institute, University of Illinois Research and Educational.
University of Illinois Research and Educational Hospitals	Chicago	Int. Med.—Municipal Contagious Disease, Presbyterian, Veterans Administration, West Side; Ophth.—Presbyterian; Ophth., Otol.—Illinois Eye and Ear Infirmary; Ped.—Municipal Contagious Disease, La Rabida Jackson Park Sanitarium.
Veterans Administration West Side Hospital	Chicago	Surg.—Veterans Administration, Hines, Ill.
Veterans Administration Hospital	Downey, Ill.	Psych.—Chicago Wesley Memorial, Passavant, Veterans Administration Research.
Elgin State Hospital	Elgin, Ill.	Psych.—Illinois Neuropsychiatric Institute, Institute for Juvenile Research, Mental Health Centers, Municipal Court, Dixon State School, Dixon, Ill.
Veterans Administration Hospital	Hines, Ill.	Anes., Neuro., Psych., Rad.—Women's and Children's, Chicago.
Clinic Hospital	Bluffton, Ind.	Surg.—Indiana University Medical Center, Indianapolis.
St. Joseph Hospital	Fort Wayne, Ind.	Path.—Veterans Administration.
Indianapolis General Hospital	Indianapolis	Anes., Neuro., Ob.-Gyn., Ophth., Otol., Ped., Psych., Rad.—Indiana University Medical Center, Veterans Administration; Urol.—Methodist.

Numerical and other references will be found on page 363.

AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Indiana University Medical Center	Indianapolis	Anes.—Veterans Administration (Cold Springs) (General); Int. Med.—Veterans Administration (Cold Springs); Neuro., Psych.—LaRue D. Carter Memorial, Veterans Administration (General); Neuro. Surg., Urol.—Veterans Administration (General); Ob.-Gyn., Otol., Ped.—Indianapolis General; Ophth., Rad.—Indianapolis General, Veterans Administration (General); Surg.—Indianapolis General, Veterans Administration (Cold Springs) (General).
St. Vincent's Hospital	Indianapolis	Ped.—Indianapolis General.
Veterans Administration Hospital	Indianapolis	Int. Med., Surg.—Indianapolis General, Indiana University Medical Center.
Broadlawns-Polk County Hospital	Des Moines, Iowa	Surg.—Iowa Methodist.
Iowa Methodist Hospital	Des Moines, Iowa	Ped., Rad., Surg.—Broadlawns-Polk County.
Veterans Administration Hospital	Des Moines, Iowa	Anes., Rad., Surg.—University of Iowa Hospitals.
State Psychopathic Hospital	Iowa City	Psych.—University of Iowa Hospitals.
Veterans Administration Hospital	Iowa City	Int. Med., Path., Rad., Surg.—University of Iowa Hospitals.
University of Kansas Medical Center	Kansas City, Kan.	Anes., Int. Med., Surg.—Veterans Administration
Topeka State Hospital	Topeka, Kan.	Psych.—C. F. Menninger Memorial, Veterans Administration.
Veterans Administration Hospital	Wadsworth, Kan.	All Services—Children's Mercy, Kansas City General No. 1, Research, St. Joseph's, St. Luke's, Veterans Administration, Kansas City, Mo.
Veterans Administration Hospital	Wichita, Kan.	Surg.—Wesley.
Central State Hospital	Lakeland, Ky.	Psych.—University of Louisville Hospitals, Louisville, Ky.
U. S. Public Health Service Hospital	Lexington, Ky.	Psych.—Louisville Child Guidance Clinic, Louisville, Ky., Cincinnati General, Cincinnati.
Children's Hospital	Louisville, Ky.	Ped.—Louisville General.
Louisville General Hospital	Louisville, Ky.	Anes., Ophth., Otol., Rad.—Children's, Veterans Administration; Neuro. Surg.—Children's, Norton Memorial, Veterans Administration; Ob.-Gyn.—Kentucky Baptist, St. Joseph's Infirmary; Ped., Surg.—Children's; Urol.—St. Joseph's, Lexington, Ky.
St. Anthony's Hospital	Louisville, Ky.	Gen'l Pract.—St. Joseph Infirmary; Ob.-Gyn.—Louisville General.
Veterans Administration Hospital	Louisville, Ky.	All Services—Children's, Kentucky Baptist, Kosair Crippled Children's, Louisville General, Norton Memorial Infirmary.
Lafayette Charity Hospital	Lafayette, La.	Gen'l Pract., Surg.—Charity Hospital, Louisiana State University Unit, New Orleans.
Charity Hospital	New Orleans	Path.—May include period of three months to one year of Forensic Pathology in the Coroner's Office of the Parish of Orleans.
Hotel Dieu-Sisters Hospital	New Orleans	Ped.—Charity Hospital.
Ochsner Foundation Hospital	New Orleans	Neuro. Surg.—Includes one year of training at Charity Hospital, Tulane University Service.
Southern Baptist Hospital	New Orleans	Ped.—Charity, Louisiana State University Unit.
Touro Infirmary	New Orleans	Ob.-Gyn., Ortho. Surg., Ped., Rad., Surg.—Charity.
U. S. Public Health Service Hospital	New Orleans	Rad.—Charity.
Veterans Administration Hospital	New Orleans	Ophth., Path., Psych., Rad., Surg., Urol.—Charity.
Central Maine Sanatorium	Fairfield, Maine	Pul. Dis.—Augusta State Hospital, Augusta, Maine, Redington Memorial, Skowhegan, Maine, Thayer Hospital, Waterville, Maine.
Baltimore City Hospital	Baltimore	Int. Med.—May include training in gerontology.
Baltimore Eye, Ear and Throat Hospital	Baltimore	Ophth.—Johns Hopkins.
Bon Secours Hospital	Baltimore	Ob.-Gyn.—Johns Hopkins.
Church Home and Hospital	Baltimore	Surg.—Johns Hopkins, University.
Johns Hopkins Hospital	Baltimore	Int. Med.—May include training in Allergy; Ob.-Gyn.—Boston Lying-In, Boston; Ped.—Baltimore City; Pul. Dis., Thor. Surg.—Veterans Administration; Rad.—U. S. Public Health Service, Veterans Administration; Surg.—Mt. Wilson Sanatarium, Veterans Administration; Urol.—Inlow Clinic, Shelbyville, Ind.
St. Agnes Hospital	Baltimore	Int. Med., Ob.-Gyn., Surg.—Johns Hopkins.
Sinai Hospital	Baltimore	Ped.—Baltimore City, Johns Hopkins.
South Baltimore General Hospital	Baltimore	Ob.—Hospital for the Women of Maryland.
Union Memorial Hospital	Baltimore	Ob.—Hospital for the Women of Maryland.
U. S. Public Health Service Hospital	Baltimore	Int. Med.—Johns Hopkins; Path.—University.
University Hospital	Baltimore	Int. Med.—Veterans Administration; Neuro. Surg., Thor. Surg.—Baltimore, City, Mercy; Ob.—Peninsula General, Salisbury, Md.; Ped.—Union Memorial.
U. S. Naval Hospital	Bethesda, Md.	Anes.—Georgetown University Hospital, Washington, D. C.; Neuro., Psych.—Georgetown University, St. Elizabeth's, Washington, D. C.; Ophth., Otol.—Episcopal Eye, Ear, Nose and Throat, Washington, D. C.; Ped.—Children's, District Municipal, Dr. Philips Clinic, Walter Reed Army, Washington, D. C., Children's Convalescent Home, Rockville, Md.
Spring Grove State Hospital	Catonsville, Md.	Psych.—Baltimore City, Johns Hopkins, University, Baltimore.
Veterans Administration Hospital	Fort Howard, Md.	Derm. Syph., Ophth.—Johns Hopkins, Baltimore; Surg.—University, Baltimore
Washington County Hospital	Hagerstown, Md	Rad.—Johns Hopkins, Baltimore.
Veterans Administration Hospital	Perry Point, Md.	Psych.—Johns Hopkins, Kanner's Clinic, Mental Hygiene Clinic, Baltimore; Surg.—Harford Memorial, Havre de Grace, Md., Peninsula General, Salisbury, Md.
Sheppard and Enoch Pratt Hospital	Towson, Md.	Psych.—Spring Grove State, Catonsville, Md.
Veterans Administration Hospital	Bedford, Mass.	Psych.—Douglas Thom Clinic for Children, James Jackson Putnam Children's Center, Massachusetts General, Veterans Administration, Boston.
Beverly Hospital	Beverly, Mass.	Surg.—Peter Bent Brigham, Boston.
Beth Israel Hospital	Boston	Int. Med.—New England Deaconess; Rad.—Boston Psychopathic, Pondville State, Walpole, Mass.; Surg.—Boston City, Soldier's Home, Chelsea, Mass.
Boston City Hospital	Boston	Int. Med., Surg.—May include one year of training in Chronic Diseases at Jewish Hospital, Roxbury, Mass., or Holy Ghost Hospital, Cambridge, Mass., Faulkner, Lahey Clinic, Boston; Mount Auburn, Cambridge, Mass., Lowell General, Lowell, Mass., Newton-Wellesley, Newton Lower Falls, Mass., Quincy City, Quincy, Mass., Salem, Salem, Mass.
Boston Floating Hospital	Boston	Ped.—St. Margaret's, Dorchester, Mass.
Boston Lying-In Hospital	Boston	Ob., Path.—Free Hospital for Women, Brookline, Mass.
Boston Sanitarium	Boston	Pul. Dis., Thor. Surg.—Boston City, 5th and 6th Medical Service.
Boston State Hospital	Boston	Psych.—Beth Israel, Boston Psychopathic, Judge Baker Guidance Center, Massachusetts General, Boston, Worcester State, Worcester, Mass.
Carney Hospital	Boston	Ob.-Gyn.—St. Margarets, Dorchester, Mass.; Surg.—Soldier's Home, Chelsea, Mass.
Faulkner Hospital	Boston	Rad.—Lahey Clinic.
Lahey Clinic	Boston	Anes., Gastro., Int. Med., Neuro. Surg., Ortho. Surg., Rad.—Booth Memorial, New England Deaconess, New England, Massachusetts Women's, Robert Brigham; Neuro. Surg.—Boston Psychopathic, Taunton State, Taunton, Mass.; Rad.—Children's Medical Center, New England Deaconess.
Massachusetts Eye and Ear Infirmary	Boston	Ophth., Otol.—Massachusetts General.

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AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Massachusetts General Hospital	Boston	Int. Med.—Salem Hospital, Salem, Mass.; Ped.—Charity, New Orleans, Boston Lying-In, Providence Lying-In, Providence, R. I.; Surg.—Snyder-Jones Clinic, Winfield, Kan., Salem Hospital, Salem, Mass., Middlesex County Sanatorium, Waltham, Mass.
Massachusetts Memorial Hospital	Boston	Anes.—Children's Medical Center; Surg.—Boston City, Mattapan Sanatorium, Framingham Union, Framingham, Mass., Lowell General, Lowell, Mass., Truesdale, Fall River, Mass., Westfield Sanatorium, Westfield, Mass.; Urol.—Salem Hospital, Salem, Mass.
New England Center Hospital	Boston	Int. Med., Surg.—May include one year of training in Chronic Diseases at Jewish Hospital, Roxbury, Mass., or Holy Ghost Hospital, Cambridge, Mass.; Anes., Int. Med., Neuro., Neuro. Surg., Path., Psych., Rad., Surg., Urol.—Eastern Maine General, Bangor, Maine, Boston City, Boston Dispensary, Boston Floating, Veterans Administration, Boston, Burbank, Fitchburg, Mass.
New England Deaconess Hospital	Boston	Anes., Rad.—Boston Children's; Int. Med., Surg.—Peter Bent Brigham.
Peter Bent Brigham Hospital	Boston	Anes., Int. Med., Ortho. Surg., Path., Psych., Rad., Surg.—Veterans Administration, West Roxbury, Mass.
U. S. Public Health Service Hospital	Boston	Int. Med.—Evans Memorial, Haynes Memorial, Massachusetts General.
Veterans Administration Hospital	Boston (Jamaica Plain)	Psych.—Children's, Douglas Thom Clinic, Mental Hygiene Clinic; Rad.—Boston Children's; Surg.—Faulkner, Massachusetts General, New England Center.
Free Hospital for Women	Brookline, Mass.	Gyn.—Boston Lying-In, Boston.
Cambridge City Hospital	Cambridge, Mass.	Int. Med.—Cambridge Tuberculosis Sanatorium.
Mount Auburn Hospital	Cambridge, Mass.	Anes.—New England Center, Boston; Ped.—Children's Medical Center, Boston.
Lawrence F. Quigley Memorial Hospital	Chelsea, Mass.	Surg.—Beth Israel, Carney, St. Elizabeth, Boston, Newton-Wellesley, Newton Lower Falls, Mass.
U. S. Naval Hospital	Chelsea, Mass.	Ped.—Haynes Memorial, Boston; Surg.—Children's Medical Center, Massachusetts General, New England Deaconess, Boston.
Fall River General Hospital	Fall River, Mass.	Pul. Dis.—Truesdale.
Truesdale Hospital	Fall River, Mass.	Int. Med., Surg.—Fall River General; Path.—Newport, Newport, R. I.
Newton-Wellesley Hospital	Newton Lower Falls, Mass.	Surg.—Soldier's Home, Chelsea, Mass.
Quincy City Hospital	Quincy, Mass.	Surg.—Brockton, Brockton, Mass.
Metropolitan State Hospital	Waltham, Mass.	Psych.—Boston Psychopathic, Boston State, Boston.
Veterans Administration Hospital	West Roxbury, Mass.	Phys. Med., Urol.—Peter Bent Brigham, Boston.
Worcester State Hospital	Worcester, Mass.	Psych.—Worcester Youth Guidance Center.
Leila Y. Post Montgomery Hospital	Battle Creek, Mich.	Surg.—University, Ann Arbor, Mich.
Veterans Administration Hospital	Battle Creek, Mich.	Psych.—Neuropsychiatric Institute, University.
St. Joseph's Retreat	Dearborn, Mich.	Psych.—Receiving.
Veterans Administration Hospital	Dearborn, Mich.	Int. Med.—Wayne County General, Eloise, Mich.; Rad.—Children's, Detroit Memorial, Herman Kiefer, Womans; Ophth., Path., Psych., Rad., Surg.—Receiving.
Alexander Blain Hospital	Detroit	Int. Med.—University, Ann Arbor, Mich., Herman Kiefer, Receiving; Surg.—University, Ann Arbor, Mich., Receiving.
Children's Hospital	Detroit	Ped.—Herman Kiefer.
Detroit Memorial Hospital	Detroit	Path.—Receiving; Oakwood, Dearborn, Mich.
Florence Crittenton Hospital	Detroit	Ob.-Gyn.—Herman Kiefer.
Grace Hospital	Detroit	Neuro. Surg.—Receiving.
Harper Hospital	Detroit	Int. Med.—Herman Kiefer; Ophth.—Receiving; Ortho. Surg.—Children's, Receiving; Otol.—Children's, Receiving, Herman Kiefer; Ped.—Children's; Surg.—Children's, Detroit Industrial Hospitals, Herman Kiefer, Receiving; Urol.—Herman Kiefer, Receiving.
Henry Ford Hospital	Detroit	Ped.—Herman Kiefer.
Herman Kiefer Hospital	Detroit	Ob.—Receiving.
Jennings Memorial Hospital	Detroit	Int. Med., Surg.—Henry Ford.
Providence Hospital	Detroit	Anes.—Detroit Tubercular Sanitorium; Ped.—Children's.
Receiving Hospital	Detroit	Anes.—Veterans Administration, Dearborn, Mich., Childrens, Herman Kiefer; Gyn.—Herman Kiefer; Int. Med.—Veterans Administration; Ophth.—Veterans Administration, Dearborn, Mich., Children's, Herman Kiefer; Surg.—Veterans Administration, Dearborn, Mich.
Blodgett Memorial Hospital	Grand Rapids, Mich.	Int. Med.—Veterans Administration Hospital, Dearborn, Mich., Cardiac Clinic; Ob.—Evangeline Home and Hospital; Ortho. Surg.—Mary Free Bed Convalescent Home, Veterans Administration, Dearborn, Mich.; Rad., Surg., Urol.—Veterans Administration, Dearborn, Mich.
Ferguson, Droste, Ferguson Hospital	Grand Rapids, Mich.	Proct.—Veterans Administration, Dearborn, Mich., St. Mary's.
Michigan State Sanatorium	Howell, Mich.	Pul. Dis.—University, Ann Arbor, Mich., Maybury Sanatorium, Northville, Mich.
Kalamazoo State Hospital	Kalamazoo, Mich.	Psych.—Caro State, Caro, Mich., Coldwater State Home and Training School, Coldwater, Mich., Lapeer State, Lapeer, Mich.
Northville State Hospital	Northville, Mich.	Psych.—Adult Psychiatric Clinic of Harper Hospitals, Metropolitan Children's Center, Receiving, Detroit, Mich.
Pontiac General Hospital	Pontiac, Mich.	Ob.-Gyn.—Pontiac State; Psych.—St. Joseph's Mercy.
St. Mary's Hospital	Saginaw, Mich.	Gen'l Pract.—Guadalupe Center, St. Francis Home.
Minneapolis General Hospital	Minneapolis	Otol., Ped.—University of Minnesota.
Mount Sinai Hospital	Minneapolis	Surg.—University of Minnesota.
Shriners Hospital for Crippled Children	Minneapolis	Ortho. Surg.—University of Minnesota, Veterans Administration.
University of Minnesota Hospitals	Minneapolis	Neuro.—Anoka State Hospital, Anoka, Minn.
Veterans Administration Hospital	Minneapolis	Int. Med., Neuro., Path., Psych., Rad., Surg.—Minneapolis General, Shriners Hospital for Crippled Children, University of Minnesota, Ancker, St. Paul, Gillette State for Crippled Children, St. Paul.
Mayo Foundation	Rochester, Minn.	Ortho. Surg.—Gillette State Hospital for Crippled Children, St. Paul; Pul. Dis.—Mineral Springs Sanitarium, Nopeming Sanatorium, Nopeming, Minn.
Charles T. Miller Hospital	St. Paul	Ob.-Gyn., Ophth., Path., Rad.—University of Minnesota, Minneapolis; Urol.—Ancker.
Midway Hospital	St. Paul	Gen'l Pract.—Ancker, Mounds Park.
St. Joseph's Hospital	St. Paul	Ob.-Gyn., Surg.—University of Minnesota, Minneapolis.
Veterans Administration Hospital	Gulfport, Miss.	Psych.—Charity, Child Psychiatric Service, Guidance Center, New Orleans.
Mercy Hospital-Street Memorial	Vicksburg, Miss.	Gen'l Pract.—Mississippi State Charity; Surg.—Mississippi State Charity.
Mississippi State Hospital	Whitfield, Miss.	Psych.—University of Mississippi, Jackson, Miss.
Children's Mercy Hospital	Kansas City, Mo.	Ped.—Florence Crittenton Home, St. Luke's.
St. Luke's Hospital	Kansas City, Mo.	Surg.—Children's, Mercy.
Alexian Brothers Hospital	St. Louis	Gen'l Pract.—St. Anthony's.
Barnes Hospital	St. Louis	Otol.—St. Louis City; Psych.—Malcolm Bliss; Surg.—Ellis Fischel State Cancer, Columbia, Mo., Robert Koch, Koch, Mo., St. Louis Children's, St. Louis City, Veterans Administration.
Homer G. Phillips Hospital	St. Louis	Surg.—St. Mary's Infirmary.
Jewish Hospital	St. Louis	Int. Med.—Robert Koch, Koch, Mo.; Ob.-Gyn.—Ellis Fischel State Cancer, Columbia, Mo.; Surg.—St. Louis City.
Missouri Baptist Hospital	St. Louis	Surg.—Ellis Fischel State Cancer, Columbia, Mo.

Numerical and other references will be found on page 363.

AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
St. Louis Children's Hospital	St. Louis	Ped.—Burge, Springfield, Mo., Jewish, St. Louis County, St. Louis Maternity.
St. Mary's Group of Hospitals	St. Louis	Derm. Syph.—St. Louis City; Int. Med.—St. Louis City, Veterans Administration; Ob.-Gyn.—St. Mary's Infirmary; Ortho. Surg.—St. Louis City; Otol.—St. Louis City; Ped.—St. Louis City, St. Mary's Infirmary; Psych.—St. Louis City, St. Louis State; Rad.—St. Louis City; Surg.—Ellis Fischel State Cancer, Columbia, Mo., St. Louis City, Veterans Administration; Urol.—St. Louis County.
Veterans Administration Hospital	St. Louis	Anes.—St. Mary's Infirmary; Ophth.—Barnes; Otol.—Barnes, St. Louis City; Rad.—Barnard Free Skin and Cancer, Mallinekrodt Institute of Radiology, St. Louis City; Thor. Surg.—Barnes; Surg.—Ellis Fischel State Cancer, Columbia, Mo., St. Louis City; Urol.—Barnes.
Hastings State Hospital	Ingleside, Neb.	Psych.—Psychiatric Institute, Omaha.
Norfolk State Hospital	Norfolk, Neb.	Psych.—Psychiatric Institute, Omaha.
Bishop Clarkson Memorial Hospital	Omaha	Path.—University of Nebraska.
Lutheran Hospital	Omaha	Psych.—Psychiatric Institute.
Nebraska Methodist Hospital	Omaha	Path.—Children's Memorial.
University of Nebraska Hospital	Omaha	Int. Med.—Veterans Administration; Ob.-Gyn.—Bishop Clarkson, Immanuel Lutheran; Ped.—Children's Memorial; Surg.—Bishop Clarkson Memorial, Nebraska Methodist.
Veterans Administration Hospital	Omaha	Int. Med., Surg.—St. Joseph's.
Atlantic City Hospital	Atlantic City, N. J.	Int. Med.—Atlantic City Municipal, Betty Bacharach Home, Children's Seashore Home, Clyde Fish Memorial.
Essex County Isolation Hospital	Belleville, N. J.	Con. Dis.—St. Michael's Newark, N. J.
Hunterdon Medical Center	Flemington, N. J.	Gen'l Pract.—Bellevue Hospital Center, New York City.
Hackensack Hospital	Hackensack, N. J.	Path., Surg.—St. Luke's, New York City.
Jersey City Medical Center	Jersey City, N. J.	Ob.—Margaret Hague Maternity.
Monmouth Memorial Hospital	Long Branch, N. J.	Ortho. Surg.—Betty Bachrach Home for Crippled Children, New York University Bellevue Medical Center, New York City.
Veterans Administration Hospital	Lyons, N. J.	Psych.—State, Greystone Park, N. J., Maplewood, Veterans Administration, East Orange, N. J., Menlo Park Diagnostic Center, Menlo Park, N. J., Veterans Administration Mental Hygiene Clinic, Newark, N. J., Child Guidance Clinic, Orange, N. J., Trenton State, Trenton, N. J.
New Jersey State Hospital	Marlboro, N. J.	Psych.—New Jersey Diagnostic Center, Menlo Park, N. J., Central New Jersey Mental Hygiene Clinic, Red Bank, N. J., New Jersey Neuro-Psychiatric Institute, Skillman, N. J., Vineland State School, Vineland, N. J.
Presbyterian Hospital	Newark, N. J.	Surg.—Babies Hospital-Colt Memorial, Martland Medical Center.
St. Michael's Hospital	Newark, N. J.	Int. Med.—Glen Gardner Sanatorium, Glen Gardner, N. J.; Ped.—Essex County Isolation, Belleville, N. J.
St. Joseph's Hospital	Paterson, N. J.	Anes.—Valley View Sanitorium.
Veterans Administration Hospital	Albuquerque, N. Mex.	Int. Med.—Bataan Methodist; Surg.—Bernalillo-County Indian Hospital.
Albany Hospital	Albany, N. Y.	Plas. Surg.—St. Peter's.
A. N. Brady Hospital	Albany, N. Y.	Ob.—Albany.
St. Peter's Hospital	Albany, N. Y.	Ped.—A. N. Brady Memorial.
Veterans Administration Hospital	Albany, N. Y.	Int. Med., Path., Psych., Surg.—Albany.
Binghamton State Hospital	Binghamton, N. Y.	Psych.—Syracuse Psychiatric Institute, Syracuse Psychopathic, Syracuse, N. Y.
Coney Island Hospital	Brooklyn	Surg.—Goldwater Memorial, New York City.
Cumberland Hospital	Brooklyn	Ped.—Kingston Avenue; Rad., Surg.—John E. Jennings.
Jewish Hospital	Brooklyn	Int. Med.—Hillside Hospital, Jewish Chronic Disease; Ped.—Kingston Avenue, Willard Parker.
Kings County Hospital (University Service)	Brooklyn	Neuro. Surg.—Brooklyn State.
Veterans Administration Hospital	Brooklyn	Anes.—Jewish; Ophth.—Brooklyn Eye and Ear; Path., Psych.—Kings County; Rad., Urol.—Long Island College Hospital; Surg.—Long Island Jewish, New Hyde Park, N. Y.; Thor. Surg.—Veterans Administration, Castle Point, N. Y.
Allied Sisters of Charity Hospital	Buffalo	Ob.-Gyn.—Edward J. Meyer Memorial; Int. Med., Surg.—Emergency.
Buffalo General Hospital	Buffalo	Anes., Surg.—Children's, Edward J. Meyer Memorial, Roswell Park Memorial Institute; Int. Med.—Chronic Disease Research Institute; Ob.-Gyn.—Children's Roswell Park Memorial, Peter Bent Brigham, Boston; Neuro. Surg., Otol.—Children's; Urol.—Roswell Park Memorial.
Buffalo State Hospital	Buffalo	Psych.—Edward J. Meyer Memorial, Syracuse Psychopathic, New York State Psychiatric Institute, Syracuse, N. Y.
Edward J. Meyer Memorial Hospital	Buffalo	Anes.—Children's, Millard Fillmore; Int. Med.—Buffalo General; Ophth.—Buffalo Eye and Ear.
Roswell Park Memorial Hospital	Buffalo	Rad.—Buffalo General, Edward J. Meyer Memorial, Strong Memorial-Rochester General, Rochester, N. Y.
Veterans Administration Hospital	Buffalo	Anes., Int. Med., Rad., Surg., Urol.—Buffalo General, Children's, Edward J. Meyer Memorial, Roswell Park Memorial.
Veterans Administration Hospital	Canandaigua, N. Y.	Psych.—Strong Memorial-Rochester General, Rochester, N. Y.
Central Islip State Hospital	Central Islip, N. Y.	Psych.—New York State Psychiatric Institute, Columbia Presbyterian Medical Center, New York City.
Mary Imogene Bassett Hospital	Cooperstown, N. Y.	Surg.—Presbyterian Hospital, New York City.
Flushing Hospital and Dispensary	Flushing, N. Y.	Int. Med.—Bellevue Medical Center, New York City; Ob.-Gyn., Surg.—Flower and Fifth Avenue, New York City.
Irvington House	Irvington-on-Hudson, N. Y.	Card. Dis.—Approved as offering acceptable affiliated training (maximum three months) in concurrence with the American Board of Pediatries; Bellevue Medical Center, Divisions III and IV, New York City.
Jamaica Hospital	Jamaica, N. Y.	Surg.—Queen's General.
Kings Park State Hospital	Kings Park, N. Y.	Psych.—New York State Psychiatric Institute, New York City.
Benedictine Hospital	Kingston, N. Y.	Gen'l Pract.—Kingston City Laboratories, Ulster County Tuberculosis Hospital, Ulster County Tumor Clinic.
Middletown State Homeopathic Hospital	Middletown, N. Y.	Psych.—New York State Psychiatric Institute, New York City.
Veterans Administration Hospital	Montrose, N. Y.	Psych.—Payne Whitney Clinic, New York Hospital, New York City, Letchworth Village, Thiells, N. Y.
Mount Vernon Hospital	Mount Vernon, N. Y.	Surg.—New York Hospital, New York City.
Bellevue Medical Center—Division I—Columbia University	New York City	Surg., Thor. Surg.—Presbyterian Medical Center.
Bellevue Medical Center—Division II—Cornell University	New York City	Surg.—Triborough Hospital, Jamaica, N. Y.; Urol.—New York Hospital, Veterans Administration (Manhattan).
Bellevue Medical Center—Division III—New York University College of Medicine	New York City	Int. Med.—May include six months assignment to Department of Rehabilitation and Physical Medicine approved program; Neuro.—University, Veterans Administration (Manhattan); Ob.-Gyn.—Gouverneur, University; Ped.—Memorial, Willard Parker; Phys. Med.—Goldwater Memorial, St. Vincent's, University, Grasslands, Valhalla, N. Y.; Psych.—Riverside, University, Veterans Administration Clinic; Veterans Administration (Manhattan); Rad., Surg.—University.

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AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Bellevue Medical Center—Division IV—New York University Post-Graduate Medical School	New York City	Anes.—Goldwater, Memorial, Gouverneur, University; Int. Med.—May include six months assignment to Department of Rehabilitation and Physical Medicine approved program; Gouverneur, University, Veterans Administration (Manhattan); Derm. Syph., Otol., Urol.—University, Veterans Administration (Manhattan); Neuro. Surg.—Central Islip State, Central Islip, University, Veterans Administration (Manhattan); Ophth.—University, St. Vincent's; Ortho. Surg.—Veterans Administration (Manhattan); Surg.—Beekman-Downtown, Gouverneur, Knickerbocker, Manhattan State, University, New York City, Easton Hospital, Easton, Pa.
Beth Israel Hospital	New York City	Int. Med.—Includes one year fellowship in Immuno-Hematology; Neuro. Surg.—Mount Sinai; Surg.—Bellevue Hospital Center.
Bird S. Coler Memorial Hospital and Home	New York City	Int. Med., Phys. Med.—Metropolitan.
City of New York	New York City	Pub. Health—Montefiore.
Francis Delafield Hospital	New York City	Gyn., Rad., Surg.—Presbyterian.
Goldwater Memorial Hospital	New York City	Int. Med., Surg.—Bellevue Hospital Center.
Hospital for Joint Diseases	New York City	Anes.—Beth Israel; Ortho. Surg.—Central Dispensary and Emergency Hospital, Washington, D. C., Harlem, Morrisania City, New York City Hospital.
Manhattan State Hospital	New York City	Psych.—Mount Sinai, Psychiatric Institute, Veterans Administration (Bronx).
Memorial Center for Cancer and Allied Diseases	New York City	Anes.—New York Hospital.
Metropolitan Hospital	New York City	All Services (except Ob.)—Bird S. Coler Memorial.
Montefiore Hospital	New York City	Int. Med.—May include training in "Home Care" Service; Surg.—Beekman-Downtown.
Mount Sinai Hospital	New York City	Ped.—Willard Parker; Neuro. Surg.—Beth Israel.
New York Hospital	New York City	Ortho. Surg.—House of St. Giles the Cripple, Brooklyn, St. Luke's, Seaview, Staten Island; Ortho. Surg., Surg.—Hospital for Special Surgery; Ped.—Hospital for Special Surgery, Memorial Center, Willard Parker; Rad.—Memorial Center.
New York University-Bellevue Medical Center—University Hospital	New York City	Derm. Syph.—Bellevue Medical Center, Veterans Administration (Manhattan); Gyn., Ped.—Gouverneur; Phys. Med.—Bellevue Medical Center, Goldwater Memorial, St. Vincent's, Grasslands, Valhalla, N. Y.; Psych.—Bellevue Medical Center.
Presbyterian Hospital	New York City	Derm. Syph.—Roosevelt.
Roosevelt Hospital	New York City	Ped.—French, Willard Parker; Urol.—Presbyterian Medical Center.
St. Barnabas Hospital for Chronic Diseases	New York City	Path.—St. Agnes, White Plains, N. Y.
St. Clare's Hospital	New York City	Ob.-Gyn.—Margaret Hague Maternity, Jersey City, N. J.; Ped.—Charles V. Chapin, Providence, R. I.
St. Luke's Hospital	New York City	Ped.—Willard Parker.
St. Vincent's Hospital	New York City	Int. Med., Surg.—St. Joseph's, Yonkers, N. Y.; Rad.—Bellevue Hospital Center.
Veterans Administration Hospital (Bronx)	New York City	Anes.—Grasslands, Valhalla, N. Y.; Derm. Syph., Ortho. Surg., Plas. Surg.—New York Hospital; Neuro.—New York Hospital, Neurological Institute, Letchworth Village, Thiells, N. Y.; Neuro. Surg.—Neurological Institute; Psych.—Jewish Board of Guardians, Lenox Hill, Manhattan State, Mount Sinai, Letchworth Village, Thiells, N. Y.; Rad.—Bellevue Medical Center, Presbyterian; Surg.—North Shore, Manhasset, N. Y., Beekman-Downtown; Thor. Surg.—Veterans Administration, Sunmount, N. Y.
St. Lawrence State Hospital	Ogdensburg, N. Y.	Psych.—Syracuse Psychopathic, Syracuse, N. Y.
High Point Hospital	Port Chester, N. Y.	Psych.—Grasslands, Valhalla, N. Y.
Hudson River State Hospital	Poughkeepsie, N. Y.	Psych.—Albany, Albany, N. Y., Psychiatric Institute, New York City, Rockland State Hospital, Orangeburg, N. Y., Letchworth Village, Thiells, N. Y., Grasslands, Valhalla, N. Y.
Creedmoor State Hospital	Queens Village, N. Y.	Psych.—Mount Sinai, Psychiatric Institute, New York City, Creedmoor Institute for Psychobiologic Research.
Genesee Hospital	Rochester, N. Y.	Ob.-Gyn.—Strong Memorial-Rochester Municipal.
Iola-Monroe County Tuberculosis Sanatorium	Rochester, N. Y.	Pul. Dis.—Strong Memorial-Rochester Municipal.
Rochester General Hospital	Rochester, N. Y.	Surg.—Park Avenue.
Rochester State Hospital	Rochester, N. Y.	Psych.—Psychiatric Institute, New York City.
St. Mary's Hospital	Rochester, N. Y.	Georgetown University Hospital, Washington, D. C.
Strong Memorial-Rochester Municipal Hospitals	Rochester, N. Y.	Ped.—Genesee, Rochester General; Psych.—Frederick Feris Thompson, Canandaigua, N. Y., Rochester State Hospital; Rad.—Roswell Park Memorial Institute, Buffalo, N. Y.; Surg.—Highland.
Sea View Hospital	Staten Island, N. Y.	Thor. Surg.—St. Michael's, Newark, N. J.
Veterans Administration Hospital	Sunmount, N. Y.	Pul. Dis., Thor. Surg.—Mary Fletcher, Burlington, Vt.
Syracuse Psychopathic Hospital	Syracuse, N. Y.	Psych.—New York University Medical Center, Syracuse Memorial, Syracuse State Hospital, Craig Colony for Epileptics, Sonyea, N. Y., Rome State Hospital, Rome, N. Y., Newark State Schools.
Utica State Hospital	Utica, N. Y.	Psych.—Syracuse Psychopathic, Syracuse, N. Y., Oneida County Child Guidance Clinic at St. Luke's Hospital, Utica.
Pilgrim State Hospital	West Brentwood, N. Y.	Psych.—Neurological Institute, New York State Psychiatric Institute, New York City.
New York Hospital, Westchester Division	White Plains, N. Y.	Psych.—Montefiore, Neurological Institute, Payne Whitney Psychiatric Clinic of New York Hospital, New York City, Grasslands, Valhalla, N. Y.
Willard State Hospital	Willard, N. Y.	Psych.—Syracuse Psychopathic, Syracuse, N. Y.
Harlem Valley State Hospital	Wingdale, N. Y.	Psych.—Albany, Albany, N. Y.
North Carolina Memorial Hospital	Chapel Hill, N. C.	Surg.—State Hospitals, Butner, N. C., Raleigh, N. C.
Duke Hospital	Durham, N. C.	Veterans Administration (available for all services for male patients); Ophth., Otol.—McPherson; Ortho. Surg.—Armed Forces Institute of Pathology, Washington, D. C., Warm Springs Foundation, Warm Springs, Ga., Charlotte Memorial, Charlotte, N. C.; Ped.—Charity, New Orleans, U. S. Army Hospital, Fort Bragg, N. C., Watts; Psych.—Watts, Veterans Administration, Roanoke, Va.
McPherson Hospital	Durham, N. C.	Ophth., Otol.—North Carolina Memorial, Chapel Hill, Duke, Watts.
Veterans Administration Hospital	Durham, N. C.	Int. Med., Path., Psych., Rad., Surg.—Duke.
State Hospital	Raleigh, N. C.	Psych.—North Carolina Memorial, Chapel Hill, N. C.
North Carolina Baptist Hospital	Winston-Salem, N. C.	Int. Med.—Western North Carolina Sanatorium, Black Mountain, N. C.; Thor. Surg.—Western North Carolina Sanatorium, Black Mountain, N. C., Guilford County Sanatorium, Jamestown, N. C.
Akron General Hospital	Akron, Ohio	Ob.-Gyn.—Additional year of training, including pathology, University of Chicago Clinics, available; Surg.—Children's.
Children's Hospital	Akron, Ohio	Ped., Surg.—Akron General, City.
City Hospital	Akron, Ohio	Ob.-Gyn.—Chicago Lying-In, Chicago; Surg.—Children's.
St. Thomas Hospital	Akron, Ohio	Ob.-Gyn.—Chicago Lying-In, Chicago.
Veterans Administration Hospital	Brecksville, Ohio	Pul. Dis.—Veterans Administration, Cleveland.
Bethesda Hospital	Cincinnati	Path.—Cincinnati General.
Christ Hospital	Cincinnati	Gen'l Pract.—Children's.

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AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Cincinnati General Hospital	Cincinnati	Int. Med.—May include fellowship training in cardiology; Int. Med., Psych.—Includes one year fellowships available in psychosomatic medicine; Derm. Syph., Neuro., Ophth., Otol., Path., Rad., Urol.—Veterans Administration; Int. Med., Surg.—Daniel Drake Memorial, Dunham, Holmes, Veterans Administration; Neuro. Surg.—Christ, Good Samaritan, Veterans Administration; Surg.—Childrens.
Good Samaritan Hospital	Cincinnati	Neuro. Surg.—Cincinnati General; Ped.—St. Mary's; Surg.—Longview State.
Jewish Hospital	Cincinnati	Int. Med.—Institute for Chronically Ill, Longview State; Surg.—Memorial, New York City, Longview State.
Cleveland Clinic Hospital	Cleveland	Surg.—City Hospital.
Cleveland Receiving Hospital	Cleveland	Psych.—City Hospital.
Evangelical Deaconess Hospital	Cleveland	Ob.—Cleveland Clinic, University Hospital.
Mount Sinai Hospital	Cleveland	Med.—Sunny Acres-Cuyahoga County Tuberculosis; Rad.—University Hospitals.
St. Alexis Hospital	Cleveland	Surg.—Cleveland Clinic, City, Ingleside, East 35th Street Dispensary.
St. Luke's Hospital	Cleveland	Int. Med.—Sunny Acres-Cuyahoga County Tuberculosis, Windsor Sanitarium; Ophth.—City.
University Hospital	Cleveland	Int. Med.—Benjamin Rose; Ortho. Surg.—Elyria Memorial, Elyria, Ohio; Ped.—City; Surg.—Cleveland State.
Veterans Administration Hospital	Cleveland	Int. Med.—Veterans Administration, Brecksville, Ohio, Lakeside; Neuro. Surg.—Lakeside, City; Psych.—Lakeside; Thor. Surg.—Veterans Administration, Brecksville, Ohio.
Benjamin Franklin Hospital	Columbus, Ohio	Thor. Surg.—Mount Carmel.
Columbus State Hospital	Columbus, Ohio	Psych.—Children's Mental Health Center, Columbus Psychiatric Clinic.
Ohio Tuberculosis Hospital	Columbus, Ohio	Thor. Surg.—University Hospitals.
University Hospitals	Columbus, Ohio	Anes.—Children's, Ohio Tuberculosis, St. Francis; Int. Med.—Columbus Receiving, Ohio Tuberculosis, St. Francis; Ophth.—Mount Carmel; Otol.—Children's; Rad.—Ohio Tuberculosis; Surg., Urol.—Children's, St. Francis.
White Cross Hospital	Columbus, Ohio	Card. Dis.—Children's, University; Ob.-Gyn.—Florence Crittenton Home, Cleveland.
Good Samaritan Hospital	Dayton, Ohio	Surg.—Good Samaritan, Cincinnati.
Lakewood Hospital	Lakewood, Ohio	Ob.-Gyn.—City, Cleveland.
Toledo Hospital	Toledo, Ohio	Gen'l Pract.—Toledo State.
Harding Sanitarium	Worthington, Ohio	Psych.—Children's Mental Health Center, Columbus, Ohio.
Youngstown Hospital	Youngstown, Ohio	Int. Med., Surg.—Includes six months' assignment, Ohio State University Medical School, Columbus, Ohio.
Veterans Administration Hospital	Oklahoma City	Rad.—University Hospitals.
Wesley Hospital	Oklahoma City	Int. Med., Ob.-Gyn., Rad., Surg.—University Hospitals.
St. Vincent's Hospital	Portland, Ore.	Surg.—Fairview Home, Oregon State, Salem, Ore., State Penitentiary Hospital.
University of Oregon Medical Schools Hospitals and Clinics	Portland, Ore.	Anes., Ophth., Otol., Path., Surg., Urol.—Veterans Administration; Neuro. Surg.—Good Samaritan; Ped.—City Isolation.
Veterans Administration Hospital	Portland, Ore.	Ortho. Surg.—Shriners Hospital for Crippled Children, Philadelphia; Ortho. Surg., Otol., Path., Surg., Urol.—University of Oregon Medical School Hospitals and Clinics.
Oregon State Hospital	Salem, Ore.	Psych.—Hillcrest School for Girls, Marion County Child Guidance Clinic, Oregon State Penitentiary.
Veterans Administration Hospital	Coatesville, Pa.	Psych.—Children's, Institute of Pennsylvania Hospital, Marriage Council, Veterans Administration Mental Hygiene Clinic, Philadelphia.
Thomas M. Fitzgerald Mercy Hospital	Darby, Pa.	Rad.—Philadelphia General, Philadelphia.
Embreeville State Hospital	Embreeville, Pa.	Psych.—Hospital of the University of Pennsylvania, Philadelphia.
Sacred Heart Hospital	Norristown, Pa.	Gen'l Pract.—Norristown State.
Germantown Dispensary and Hospital	Philadelphia	Surg.—Jefferson Medical College and Hospital.
Graduate Hospital of the University of Pennsylvania	Philadelphia	Otol.—Children's.
Hahnemann Hospital	Philadelphia	Thor. Surg.—Credit for six months' training in cardiovascular surgery given by Board of Thoracic Surgery.
Hospital of the University of Pennsylvania	Philadelphia	Surg.—Children's.
Hospital of the Woman's Medical College of Pennsylvania	Philadelphia	Int. Med.—May include one year fellowship in Department of Oncology; Ped.—Philadelphia General—Northern Division.
Jeanes Hospital	Philadelphia	Rad.—Hospital of the University of Pennsylvania.
Jefferson Medical College Hospital	Philadelphia	Rad.—Memorial Hospital, New York City.
Lankenau Hospital	Philadelphia	Path.—May include assignment to the Institute for Cancer Research and Lankenau Hospital Research Institute.
Philadelphia General Hospital	Philadelphia	Int. Med.—May include one year of fellowship in division of Endocrinology; Ob.-Gyn.—Presbyterian.
Philadelphia Psychiatric Hospital	Philadelphia	Psych.—Hahnemann Medical College and Hospital, Temple, University of Pennsylvania Hospital.
Presbyterian Hospital	Philadelphia	Int. Med., Surg.—Hospital of the University of Pennsylvania; Urol.—Urologic Clinic.
St. Christopher's Hospital for Children	Philadelphia	Ped.—Abington, Abington, Pa., Lankenau, Philadelphia General, Temple.
Shriners Hospital for Crippled Children	Philadelphia	Ortho. Surg.—St. Christopher's.
Skin and Cancer Hospital	Philadelphia	Derm. Syph.—Temple.
Veterans Administration Hospital	Philadelphia	Rad., Urol.—St. Christopher's; Surg.—U. S. Naval Hospital.
Veterans Administration Hospital	Pittsburgh	Path., Urol.—Pittsburgh Medical Center; Rad.—Children's, Western Pennsylvania; Phys. Med.—D. T. Watson Home for Crippled Children, Leetsdale, Pa.
Warren State Hospital	Warren, Pa.	Psych.—Hamot, Erie, Pa.
Woodville State Hospital	Woodville, Pa.	Psych.—Western Psychiatric Institute and Clinic,. Pittsburgh, Pa.
Rhode Island Hospital	Providence, R. I.	Anes.—Boston Children's, Boston Lying-In, Boston, Mass.; Ped.—Children's, Boston, Charles V. Chapin, Providence Lying-In, Emma Pendleton Bradley Home, Riverside, R. I.
Veterans Administration Hospital	Providence, R. I.	Surg.—Massachusetts Memorial, Boston, Mass., Truesdale, Fall River, Mass., Framingham Union, Framingham, Mass.
Emma Pendleton Bradley Home	Riverside, R. I.	Psych.—Rhode Island, Providence, R. I.
Roper Hospital	Charleston, S. C.	Path.—Apply: Medical College, State of South Carolina.
Orangeburg Regional Hospital	Orangeburg, S. C.	Urol.—Bamberg County Memorial, Bamberg, S. C.
St. Mary's Memorial Hospital	Knoxville, Tenn.	Surg.—East Tennessee Tuberculosis, Knoxville General, Veterans Administration Mountain Home, Johnson City, Tenn.
Baptist Memorial Hospital	Memphis, Tenn.	Neuro. Surg., Ob.-Gyn., Surg., Thor. Surg., Urol.—John Gaston.
Campbell Clinic-Hospital	Memphis, Tenn.	Ortho. Surg.—Crippled Children's, Hospital for Crippled Adults, John Gaston.
Gailor Psychiatric Hospital	Memphis, Tenn.	Psych.—John Gaston, Western State.
Le Bonheur Children's Hospital	Memphis, Tenn.	Ped.—John Gaston.
Oakville Memorial Sanatorium	Memphis, Tenn.	Pul. Dis.—West Tennessee Tuberculosis.
St. Joseph Hospital	Memphis, Tenn.	Ob.-Gyn., Ped.—John Gaston; Surg.—West Tennessee Tuberculosis.
Veterans Administration Hospital	Memphis, Tenn.	Int. Med.—John Gaston; Surg.—LeBonheur Children's; Urol.—Methodist.
George W. Hubbard Hospital of Meharry Medical College	Nashville, Tenn.	Ob.-Gyn.—John A. Andrew Memorial, Tuskegee Institute, Ala.; Surg.—Taborian, Mount Bayou, Miss.
St. Thomas Hospital	Nashville, Tenn.	Int. Med.—Nashville General; Ob.-Gyn.—Vanderbilt University.
Children's Medical Center	Dallas, Texas	Ped.—Hope Cottage, Parkland Memorial, Texas Scottish Rite.

Numerical and other references will be found on page 363.

AFFILIATING SERVICES — Continued

Parent Hospital	Location	Affiliating Hospitals
Timberlawn Sanitarium	Dallas, Texas	Psych.—Dallas Child Guidance Clinic, Parkland Memorial.
Veterans Administration Hospital	Dallas, Texas	Surg.—Gaston.
St. Mary's Infirmary	Galveston, Texas	Gen'l Pract.—University of Texas Medical Branch Hospitals.
University of Texas Medical Branch Hospitals	Galveston, Texas	Ob.-Gyn.—Brackenridge, Austin, Texas; Ped.—Willard Parker, New York City.
Hermann Hospital	Houston, Texas	Int. Med.—Houston Tuberculosis, Veterans Administration; Ped.—Jefferson Davis, Methodist, Texas Children's; Rad.—University of Texas M. D. Anderson Hospital for Cancer Research; Urol.—Southern Pacific, University of Texas M. D. Anderson Hospital for Cancer Research.
Jefferson Davis Hospital	Houston, Texas	Int. Med., Otol., Plas. Surg.—Veterans Administration; Ped.—Texas Children's; Surg.—Methodist, Veterans Administration.
Methodist Hospital	Houston, Texas	Neuro. Surg., Ob.-Gyn., Surg.—Jefferson Davis, University of Texas M. D. Anderson Hospital for Cancer Research, Veterans Administration.
St. Joseph's Hospital	Houston, Texas	Ob.-Gyn.—University of Texas M. D. Anderson Hospital for Cancer Research; Int. Med.—Southern Pacific.
University of Texas M. D. Anderson Hospital for Cancer Research	Houston, Texas	Ob.-Gyn.—Methodist, Hermann; Rad.—Hermann; Surg.—Robert B. Green Memorial, San Antonio, Texas; Int. Med.—Southern Pacific.
Veterans Administration Hospital	Houston, Texas	Int. Med., Ortho. Surg., Otol., Surg.—Jefferson Davis, Methodist.
Nan Travis Memorial Hospital	Jacksonville, Texas	Gen'l Pract.—Rusk State.
Veterans Administration Hospital	McKinney, Texas	Ophth., Otol., Surg., Urol.—Gaston, Parkland Memorial, St. Paul, Texas Children's.
Brooke Army Medical Center	San Antonio, Texas	All Services—Brooke Army Hospital, 4th Army Medical Laboratory, Medical Field Service School.
Robert B. Green Memorial Hospital	San Antonio, Texas	Surg.—University of Texas M. D. Anderson Hospital for Cancer Research, Houston, Texas.
Scott and White Memorial Hospital	Temple, Texas	Anes., Int. Med., Ophth., Ortho. Surg., Rad.—Gulf, Colorado and Santa Fe Association Hospital.
Dr. W. H. Groves Latter-Day Saints Hospital	Salt Lake City	Thor. Surg.—Utah State Tuberculosis Sanatorium, Ogden, Utah.
Holy Cross Hospital	Salt Lake City	Ob.-Gyn., Path., Rad.—Salt Lake County General.
St. Mark's Hospital	Salt Lake City	Surg.—University of Utah Affiliated Hospitals.
Salt Lake County General Hospital	Salt Lake City	Int. Med., Surg.—Veterans Administration; Ob.-Gyn.—Thomas D. Dee Memorial, Ogden, Utah, Dr. W. H. Groves Latter-Day Saints, Holy Cross; Ped.—Holy Cross; Psych.—Provo Mental, Provo, Utah, Veterans Administration.
Bishop DeGoesbriand Hospital	Burlington, Vt.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.—Mary Fletcher.
Mary Fletcher Hospital	Burlington, Vt.	Int. Med.—Sun Mountain Sanitarium; Vermont State, Waterbury, Vt.; Ob.-Gyn.—Boston Lying-In, Boston, Mass.; Path.—Krebs Memorial, St. Albans, Vt.; Rad.—Children's, Boston, Mass; Urol.—Bishop DeGoesbriand.
Blue Ridge Sanatorium	Charlottesville, Va.	Pul. Dis.—University of Virginia.
University of Virginia Hospital	Charlottesville, Va.	Ortho. Surg.—Alfred I. duPont Institute of the Nemours Foundation, Wilmington, Del., Western State; Psych.—Veterans Administration, Roanoke, Va.; Thor. Surg.—Piedmont Sanatorium, Burkeville, Va., Catawba Sanatorium, Catawba Sanatorium, Va., Blue Ridge Sanatorium.
Chesapeake and Ohio Hospital	Clifton Forge, Va.	Surg.—Chesapeake and Ohio, Huntington, W. Va.
Lynchburg General Hospital	Lynchburg, Va.	Surg.—Chesapeake and Ohio, Clifton Forge, Va.
Norfolk General Hospital	Norfolk, Va.	Ob.-Gyn.—Florence Crittenton Home.
Johnston-Willis Hospital	Richmond, Va.	Ob.—Brookfield Home for Girls and Instructive Visiting Nurses Association Clinic; Surg.—Pine Camp, Retreat for the Sick, Sheltering Arms.
Medical College of Virginia—Hospital Division	Richmond, Va.	Int. Med.—Sheltering Arms, Veterans Administration; Path.—May include one year of training in the Department of Surgical Pathology; Surg.—Stuart Circle; Urol.—Veterans Administration.
St. Elizabeth's Hospital	Richmond, Va.	Surg.—Medical College of Virginia (Hospital Division)
Eastern State Hospital	Williamsburg, Va.	Psych.—Lynchburg Training School and Hospital for Mental Defectives, Mental Hygiene Clinic.
Children's Orthopedic Hospital	Seattle	Ortho. Surg.—University of Washington Child Health Center.
King County Hospital Unit No. 1 (Harborview)	Seattle	Anes., Ophth., Ped., Surg.—Children's Orthopedic; Int. Med.—Firland Sanitorium; Neuro. Surg.—Veterans Administration; Surg.—Veterans Administration, Spokane, Wash; Thor. Surg.—Firland Sanitorium.
Pinel Foundation	Seattle	Psych.—Seattle Children's Home.
U. S. Public Health Service Hospital	Seattle	Path.—Children's Orthopedic.
Veterans Administration Hospital	Seattle	Int. Med., Surg.—Children's Orthopedic, Firland Sanatorium, King County, Virginia Mason.
Virginia Mason Hospital	Seattle	Anes., Rad., Surg.—Children's Orthopedic.
St. Luke's Hospital	Spokane, Wash.	Ob.-Gyn.—Booth Memorial.
Shriner's Hospital for Crippled Children	Spokane, Wash.	Ortho. Surg.—St. Luke's.
Chesapeake and Ohio Hospital	Huntington, W. Va.	Surg.—Chesapeake and Ohio, Clifton Forge, Va.
Milwaukee County Hospital	Milwaukee	Ob.-Gyn.—Milwaukee.
Milwaukee County Hospital for Mental Diseases	Milwaukee	Psych.—Milwaukee County Dispensary, Milwaukee County Guidance Clinic.
Milwaukee Hospital	Milwaukee	Int. Med.—Columbia; Ob.-Gyn.—Milwaukee County; Surg.—Muirdale Sanitorium, Veterans Administration.
Muirdale Sanatorium	Milwaukee	Pul. Dis., Thor. Surg.—Columbia, Milwaukee, Milwaukee Children's, Milwaukee County.
St. Mary's Hospital	Milwaukee	Ob.-Gyn.—Mount Sinai.
St. Michael Hospital	Milwaukee	Gen'l Pract.—Milwaukee County Cancer Diagnostic Center, South View.
Veterans Administration Hospital	Milwaukee (Wood)	Anes.—Milwaukee Children,'s, Milwaukee County; Ophth.—Milwaukee Children's; Path.—St. Mary's; Rad.—Milwaukee, Milwaukee Children's, University of Chicago Clinics, Chicago; Surg.—Columbia, Milwaukee Children's, Milwaukee; Urol.—Milwaukee Children's, Milwaukee County.
Kapiolani Maternity and Gynecological Hospital	Honolulu, T. H.	Ob.-Gyn.—Salvation Army Girl's Home; Territorial, Kaneohe, T. H.
Leahi Hospital	Honolulu, T. H.	Psych.—Bureau of Mental Hygiene Clinic, Kawailoa Girls' Home, Koolau Boys' Home, Oahu Prison.
Queen's Hospital	Honolulu, T. H.	Int. Med.—Leahi.
Shriners Hospital for Crippled Children	Honolulu, T. H.	Ortho. Surg.—Hale Mohalu Orthopedic Service, Leahi, Queen's.
Veterans Administration Hospital	San Juan, P. R.	Int. Med., Surg.—San Juan City.

NUMERICAL AND OTHER REFERENCES

1. Appointments available to women applicants.
2. Appointments available to women applicants only.
3. Appointments available to graduates of foreign medical schools. Details regarding requirements for appointment can be secured from the hospitals concerned.

Application for the following programs should be made as indicated:

Residencies in U. S. Army Hospitals: available only to U. S. Regular Army Medical Corps officers and eligible applicants for U. S. Regular Army Medical Corps. Apply: Office of Surgeon General, Department of the Army, Washington 25, D. C.

Residency in Internal Medicine, Northwestern University Medical Center. Apply: Director, Graduate Division, Northwestern Medical School, 303 E. Chicago Ave., Chicago 11.

Residencies in Anesthesiology, Dermatology and Syphilology, General Practice, Internal Medicine, Obstetrics-Gynecology, Orthopedic Surgery, Otolaryngology, Pathology, Pediatrics, Radiology and Surgery, at Colorado General and Denver General Hospitals, Denver; Physical Medicine, Colorado General; Urology, Denver General. Apply: Office of Graduate Medical Education, University of Colorado Medical Center, Denver.

Residency in Pathology, Roper Hospital, Charleston, S. C. Apply: Medical College of South Carolina, 16 Lucas St., Charleston 16, S. C.

HOSPITALS APPROVED FOR RESIDENCY TRAINING

Number of Hospitals, 1,201; Number of Programs, 5,032

Name of Hospital	Location	Approved Residencies
Birmingham Baptist Hospital ★	Birmingham, Ala.	Path.
Carraway Methodist Hospital ★	Birmingham, Ala.	Int. Med., Obst., Surg., Urol.
Children's Hospital	Birmingham, Ala.	Ped.
University Hospital and Hillman Clinic ★	Birmingham, Ala.	Anes., Derm. Syph., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Birmingham, Ala.	Int. Med., Ortho. Surg., Path., Rad., Surg., Urol.
Lloyd Noland Hospital ★	Fairfield, Ala.	Anes., Derm. Syph., Int. Med., Obst., Ortho. Surg., Path., Ped., Surg., Urol.
City Hospital ★	Mobile, Ala.	Int. Med., Ortho. Surg., Path., Ped., Surg.
Veterans Admin. Hospital	Tuskegee, Ala.	Int. Med., Ophth., Psych., Rad., Surg.
Good Samaritan Hospital ★	Phoenix, Ariz.	Gen'l Pract., Ob.-Gyn., Surg.
Maricopa County General Hospital ★	Phoenix, Ariz.	Gen'l Pract., Ob.-Gyn., Path., Ped., Surg.
St. Joseph's Hospital ★	Phoenix, Ariz.	Ob.-Gyn., Surg.
St. Mary's Hospital and Sanatorium ★	Tucson, Ariz.	Gen'l Pract., Int. Med., Surg.
Tucson Medical Center ★	Tucson, Ariz.	Int. Med., Surg.
Arkansas Baptist Hospital ★	Little Rock, Ark.	Int. Med., Ophth., Surg.
Arkansas Children's Home and Hospital	Little Rock, Ark.	Ortho. Surg.
Arkansas State Hospital	Little Rock, Ark.	Psych.
St. Vincent Infirmary ★	Little Rock, Ark.	Anes.
University Hospital ★	Little Rock, Ark.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital ★	Little Rock, Ark.	Int. Med., Otol., Surg.
Veterans Admin. Hospital	North Little Rock, Ark.	Psych.
St. Michael's Hospital	Texarkana, Ark.	Gen'l Pract.
Agnews State Hospital	Agnew, Calif.	Psych.
General Hospital of Riverside County ★	Arlington, Calif.	Gen'l Pract., Int. Med., Surg.
Kern General Hospital ★	Bakersfield, Calif.	Gen'l Pract., Int. Med., Path., Ped., Rad., Surg.
Herrick Memorial Hospital ★	Berkeley, Calif.	Int. Med., Ob.-Gyn., Path., Psych., Rad., Surg.
St. Joseph Hospital	Burbank, Calif.	Path.
Camarillo State Hospital	Camarillo, Calif.	Psych.
Compton Sanitarium	Compton, Calif.	Psych.
City of Hope National Medical Center	Duarte, Calif.	Mal. Dis., Path., Pul. Dis., Thor. Surg.
San Joaquin General Hospital ★	French Camp, Calif.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
General Hospital of Fresno County ★	Fresno, Calif.	Int. Med., Ophth., Ped., Rad., Surg.
Glendale Sanitarium and Hospital ★	Glendale, Calif.	Int. Med., Ob.-Gyn., Path., Surg.
Napa State Hospital	Imola, Calif.	Psych.
Arroyo-Del Valle Sanatorium	Livermore, Calif.	Pul. Dis.
Loma Linda Sanitarium and Hospital ★	Loma Linda, Calif.	Path.
Seaside Memorial Hospital ★	Long Beach, Calif.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Veterans Admin. Hospital ★	Long Beach, Calif.	Allergy, Card. Dis., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Psych., Pul. Dis., Rad., Surg., Urol.
Barlow Sanatorium	Los Angeles	Pul. Dis.
California Babies' and Children's Hospital	Los Angeles	Ped.
California Hospital ★	Los Angeles	Int. Med., Ob.-Gyn., Path., Surg.
Cedars of Lebanon Hospital ★	Los Angeles	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Children's Hospital ★	Los Angeles	Ortho. Surg., Path., Ped.
Hospital of the Good Samaritan ★	Los Angeles	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Los Angeles County General Hospital ★	Los Angeles	Anes., Derm. Syph., Gen'l Pract., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
Los Angeles Eye and Ear Hospital	Los Angeles	Ophth., Otol.
Methodist Hospital of Southern California ★	Los Angeles	Gen'l Pract.
Orthopedic Hospital	Los Angeles	Ortho. Surg.
Presbyterian Hospital-Olmsted Memorial ★	Los Angeles	Int. Med., Mal. Dis., Ob.-Gyn., Rad., Urol.
Queen of Angels Hospital ★	Los Angeles	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
St. Vincent's Hospital ★	Los Angeles	Int. Med., Path., Surg.
Santa Fe Coast Lines Hospital ★	Los Angeles	Surg.
Shriners Hospital for Crippled Children	Los Angeles	Ortho. Surg.
University of California Medical Center	Los Angeles	Int. Med., Ped.
Veterans Admin. Hospital ★	Los Angeles	Anes., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Plas. Surg., Psych., Rad., Surg., Thor. Surg., Urol.
White Memorial Hospital ★	Los Angeles	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Proct., Rad., Surg., Urol.
Contra Costa County Hospital	Martinez, Calif.	Gen'l Pract.
Bret Harte Sanatorium	Murphys, Calif.	Pul. Dis.
Metropolitan State Hospital	Norwalk, Calif.	Psych.
Children's Hospital of the East Bay	Oakland, Calif.	Ortho. Surg., Ped.
Highland-Alameda County Hospital ★	Oakland, Calif.	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Rad., Surg., Thor. Surg., Urol.
Kaiser Foundation Hospital ★	Oakland, Calif.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Ped., Surg.
Peralta Hospital	Oakland, Calif.	Surg.
Samuel Merritt Hospital	Oakland, Calif.	Anes., Ortho. Surg., Surg.
U. S. Naval Hospital ★	Oakland, Calif.	Anes., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Palo Alto, Calif.	Psych.
Collis P. and Howard Huntington Memorial Hosp.★	Pasadena, Calif.	Int. Med., Mal. Dis., Neuro. Surg., Ob.-Gyn., Path., Rad., Surg.
Patton State Hospital	Patton, Calif.	Psych.
Sequoia Hospital	Redwood City, Calif.	Gen'l Pract.
Sacramento County Hospital ★	Sacramento, Calif.	Gen'l Pract., Path.
Sutter General Hospital	Sacramento, Calif.	Rad.
Monterey County Hospital	Salinas, Calif	Gen'l Pract.
San Bernardino County Charity Hospital ★	San Bernardino, Calif.	Int. Med., Path., Surg.
Mercy Hospital ★	San Diego, Calif.	Int. Med., Ob.-Gyn., Path., Surg.
San Diego County General Hospital ★	San Diego, Calif.	Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Pul. Dis., Rad., Surg., Urol.
U. S. Naval Hospital ★	San Diego, Calif.	Allergy, Derm. Syph., Gen'l Pract., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Rad., Surg., Urol.
Children's Hospital ★	San Francisco	Con. Dis., Int. Med., Ob.-Gyn., Otol., Ortho. Surg., Ped., Rad., Surg.
Franklin Hospital ★	San Francisco	Int. Med., Ortho. Surg., Path., Plas. Surg., Urol.
French Hospital ★	San Francisco	Int. Med., Path., Surg.
Green's Eye Hospital	San Francisco	Ophth.
Langley Porter Clinic-Hospital	San Francisco	Psych.
Letterman Army Hospital ★	San Francisco	Anes., Card. Dis., Gastro., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
Mary's Help Hospital ★	San Francisco	Int. Med., Ob.-Gyn., Surg.
Mount Zion Hospital ★	San Francisco	Anes., Int. Med., Path., Ped., Psych., Rad., Surg.
St. Francis Memorial Hospital	San Francisco	Anes., Gen'l Pract., Ob.-Gyn., Path., Plas. Surg., Rad.
St. Joseph's Hospital ★	San Francisco	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Surg.
St. Luke's Hospital ★	San Francisco	Int. Med., Ob.-Gyn., Path., Surg.

★ Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
St. Mary's Hospital *	San Francisco	Int. Med., Ob.-Gyn., Ortho. Surg., Ped., Rad., Surg.
San Francisco Hospital *		
Stanford University Service	San Francisco	Int. Med., Ob.-Gyn., Otol., Ortho. Surg., Path., Ped., Pul. Dis., Rad., Surg., Urol.
University of California Service	San Francisco	Int. Med., Ob.-Gyn., Otol., Ortho. Surg., Path., Ped., Pul. Dis., Rad., Surg., Urol.
Shriners Hospital for Crippled Children	San Francisco	Ortho. Surg.
Southern Pacific General Hospital *	San Francisco	Int. Med., Surg., Urol.
Stanford University Hospital *	San Francisco	Anes., Derm. Syph., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
U. S. Public Health Service Hospital *	San Francisco	Int. Med., Surg.
University of California Hospital *	San Francisco	Anes., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital	San Francisco	Int. Med., Neur., Ophth., Otol., Ortho. Surg., Path., Rad., Surg., Urol.
O'Connor Hospital	San Jose, Calif.	Path.
Santa Clara County Hospital *	San Jose, Calif.	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Pul. Dis., Rad., Surg., Urol.
Fairmount Hospital of Alameda County	San Leandro, Calif.	Pul. Dis.
Community Hospital of San Mateo County	San Mateo, Calif.	Anes., Gen'l Pract., Int. Med., Surg.
Santa Barbara Cottage Hospital *	Santa Barbara, Calif.	Int. Med., Path., Surg.
Santa Barbara General Hospital	Santa Barbara, Calif.	Surg.
St. John's Hospital *	Santa Monica, Calif.	Ob.-Gyn., Path., Ped., Rad., Surg.
Sonoma County Hospital	Santa Rosa, Calif.	Gen'l Pract., Ortho. Surg.
Pacific State Hospital	Spadra, Calif.	Psych.
Tulare-Kings Counties Joint Tuberculosis Hospital	Springville, Calif.	Pul. Dis.
Harbor General Hospital *	Torrance, Calif.	Int. Med., Ob.-Gyn., Ophth., Otol., Path., Ped., Rad., Surg., Thor. Surg., Urol.
Tulare County General Hospital	Tulare, Calif.	Gen'l Pract.
Glockner-Penrose Hospital *	Colorado Springs, Colo.	Gen'l Pract., Path., Rad.
St. Francis Hospital	Colorado Springs, Colo.	Gen'l Pract., Rad.
Children's Hospital	Denver	Ortho. Surg., Path., Ped., Surg.
Fitzsimons Army Hospital *	Denver	Anes., Card. Dis., Int. Med., Neur., Ob.-Gyn., Ortho. Surg., Path., Ped., Phys. Med., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
General Rose Memorial Hospital *	Denver	Path., Rad.
Mercy Hospital *	Denver	Int. Med., Path., Surg.
National Jewish Hospital	Denver	Pul. Dis., Thor. Surg.
Presbyterian Hospital *	Denver	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Anthony Hospital *	Denver	Int. Med., Surg.
St. Joseph's Hospital *	Denver	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Luke's Hospital *	Denver	Int. Med., Path., Rad., Surg.
University of Colorado Medical Center		
Colorado General Hospital *	Denver	Anes., Derm. Syph., Gen'l Pract., Int. Med., Neur., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Rad., Surg., Urol.
Colorado Psychopathic Hospital	Denver	Psych.
Denver General Hospital *	Denver	Anes., Gen'l Pract., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital	Denver	Int. Med., Neur., Ortho. Surg., Path., Phys. Med., Psych., Rad., Surg.
Colorado State Hospital	Pueblo, Colo.	Path., Psych., Surg.
Corwin Hospital	Pueblo, Colo.	Surg.
Bridgeport Hospital *	Bridgeport, Conn.	Anes., Int. Med., Obst., Path., Rad., Surg.
St. Vincent's Hospital *	Bridgeport, Conn.	Int. Med., Obst., Surg.
Danbury Hospital *	Danbury, Conn.	Path.
Greenwich Hospital *	Greenwich, Conn.	Gen'l Pract., Int. Med., Path., Surg.
Hartford Hospital *	Hartford, Conn.	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg.
Hartford Municipal Hospital and Health Center *	Hartford, Conn.	Int. Med., Surg.
Institute of Living	Hartford, Conn.	Psych.
St. Francis Hospital *	Hartford, Conn.	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Path., Ped., Surg.
Meriden Hospital *	Meriden, Conn.	Surg.
Connecticut State Hospital	Middletown, Conn.	Psych.
Middlesex Hospital *	Middletown, Conn.	Path.
New Britain General Hospital *	New Britain, Conn.	Int. Med., Ob.-Gyn., Path., Surg.
Silver Hill Foundation	New Canaan, Conn.	Psych.
Grace-New Haven Community Hospital *	New Haven, Conn.	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Sur., Thor. Surg., Urol.
Hospital of St. Raphael *	New Haven, Conn.	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Cedarcrest Hospital	Newington, Conn.	Pul. Dis., Thor. Surg.
Newington Home and Hospital for Crippled Children	Newington, Conn.	Ortho. Surg.
Veterans Admin. Hospital	Newington, Conn.	Path., Rad., Surg.
Lawrence and Memorial Associated Hospitals *	New London, Conn.	Int. Med., Ob.-Gyn., Surg.
Fairfield State Hospital	Newtown, Conn.	Psych.
Norwalk Hospital *	Norwalk, Conn.	Int. Med., Obst., Path., Surg.
Norwich State Hospital	Norwich, Conn.	Psych.
Norwich State Tuberculosis Sanatorium	Norwich, Conn.	Pul. Dis., Thor. Surg.
State of Connecticut Veterans' Home and Hospital	Rocky Hill, Conn.	Phys. Med.
Laurel Heights State Tuberculosis Sanatorium	Shelton, Conn.	Pul. Dis.
Stamford Hospital *	Stamford, Conn.	Path.
Charlotte Hungerford Hospital	Torrington, Conn.	Gen'l Pract.
St. Mary's Hospital *	Waterbury, Conn.	Int. Med., Path., Rad., Surg.
Waterbury Hospital *	Waterbury, Conn.	Int. Med., Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital	West Haven, Conn.	Int. Med., Path., Psych., Rad., Surg., Urol.
Delaware State Hospital	Farnhurst, Del.	Psych.
Alfred I. duPont Institute of Nemours Foundation	Wilmington, Del.	Ortho. Surg.
Delaware Hospital *	Wilmington, Del.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Memorial Hospital *	Wilmington, Del.	Int. Med., Path., Surg.
Wilmington General Hospital *	Wilmington, Del.	Gen'l Pract., Int. Med., Path.
Armed Forces Institute of Pathology	Washington, D. C.	Path.
Army Medical Center *	Washington, D. C.	Allergy, Anes., Card. Dis., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Thor. Surg., Urol.
Central Dispensary and Emergency Hospital *	Washington, D. C.	Int. Med., Path., Rad., Surg.
Children's Hospital	Washington, D. C.	Path., Ped.
Columbia Hospital for Women and Lying-In Asylum	Washington, D. C.	Ob.-Gyn.
District of Columbia General Hospital *	Washington, D. C.	Anes., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Pul. Dis., Rad., Surg., Urol.
Doctors Hospital *	Washington, D. C.	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Eastern Dispensary and Casualty Hospital	Washington, D. C.	Gen'l Pract.
Episcopal Eye, Ear, and Throat Hospital	Washington, D. C.	Ophth., Otol.
Freedmen's Hospital *	Washington, D. C.	Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Ped., Psych., Pul. Dis., Rad., Surg., Urol.
Garfield Memorial Hospital *	Washington, D. C.	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Georgetown University Hospital *	Washington, D. C.	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Path., Ped., Psych., Rad., Surg.
George Washington University Hospital *	Washington, D. C.	Anes., Card. Dis., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Path., Phys. Med., Psych., Rad., Surg., Thor. Surg.
Providence Hospital *	Washington, D. C.	Int. Med., Ob.-Gyn., Path., Ped., Surg.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
St. Elizabeth's Hospital *	Washington, D. C.	Neur., Psych.
Sibley Memorial Hospital *	Washington, D. C.	Ob.-Gyn., Path., Surg.
Tuberculosis Sanatorium (Glendale, Md.)	Washington, D. C.	Pul. Dis.
Veterans Admin. Hospital	Washington, D. C.	Int. Med., Neur., Path., Rad., Surg., Urol.
Veterans Admin. Hospital	Coral Gables, Fla.	Int. Med., Path., Surg.
Halifax District Hospital	Daytona Beach, Fla.	Gen'l Pract.
Duval Medical Center *	Jacksonville, Fla.	Int. Med., Ob.-Gyn., Path., Ped., Psych., Rad., Surg., Urol.
Hope Haven Hospital	Jacksonville, Fla.	Ortho. Surg.
Riverside Hospital	Jacksonville, Fla.	Int. Med., Surg.
St. Luke's Hospital *	Jacksonville, Fla.	Gen'l Pract., Int. Med., Ob.-Gyn., Rad., Surg.
St. Vincent's Hospital *	Jacksonville, Fla.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Ped., Surg., Urol.
Jackson Memorial Hospital *	Miami, Fla.	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Mount Sinai Hospital *	Miami Beach, Fla.	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Francis Hospital *	Miami Beach, Fla.	Int. Med., Path., Surg.
Orange Memorial Hospital *	Orlando, Fla.	Int. Med., Ob.-Gyn., Surg., Urol.
Baptist Hospital	Pensacola, Fla.	Gen'l Pract.
Sacred Heart Hospital *	Pensacola, Fla.	Gen'l Pract.
American Legion Hospital for Crippled Children	St. Petersburg, Fla.	Ortho. Surg.
Mound Park Hospital *	St. Petersburg, Fla.	Int. Med., Ob.-Gyn., Surg.
Tampa Municipal Hospital *	Tampa, Fla.	Int. Med., Ob.-Gyn., Otol., Surg.
Crawford W. Long Memorial Hospital *	Atlanta, Ga.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Georgia Baptist Hospital *	Atlanta, Ga.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Grady Memorial Hospital *	Atlanta, Ga.	Gen'l Pract., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Henrietta Egleston Hospital for Children	Atlanta, Ga.	Ped.
Piedmont Hospital *	Atlanta, Ga.	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Joseph's Infirmary *	Atlanta, Ga.	Ob.-Gyn., Surg.
Veterans Admin. Hospital *	Atlanta, Ga.	Anes., Int. Med., Ophth., Path., Rad., Surg., Urol.
University Hospital *	Augusta, Ga.	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Thor. Surg., Urol.
Veterans Admin. Hospital	Augusta, Ga.	Int. Med., Psych., Rad., Surg.
Columbus City Hospital *	Columbus, Ga.	Gen'l Pract.
Scottish Rite Hospital for Crippled Children	Decatur, Ga.	Ortho. Surg.
Emory University Hospital *	Emory University, Ga.	Int. Med., Neuro. Surg., Ortho. Surg., Path., Rad., Surg.
Macon Hospital *	Macon, Ga.	Gen'l Pract.
Georgia Warm Springs Foundation	Warm Springs, Ga.	Phys. Med.
St. Joseph's Hospital	Alton, Ill.	Gen'l Pract.
U. S. Air Force Hospital	Belleville (Scott Air Force Base), Ill.	Int. Med., Surg.
MacNeal Memorial Hospital *	Berwyn, Ill.	Gen'l Pract., Surg.
Alexian Brothers Hospital *	Chicago	Int. Med., Ortho. Surg., Path.
American Hospital *	Chicago	Anes., Path., Surg.
Augustana Hospital *	Chicago	Int. Med., Obst., Path., Rad., Surg.
Chicago Eye, Ear, Nose and Throat Hospital	Chicago	Ophth.
Chicago Maternity Center	Chicago	Obst.
Chicago State Hospital	Chicago	Psych.
Chicago State Tuberculosis Sanitarium	Chicago	Thor. Surg.
Chicago Wesley Memorial Hospital *	Chicago	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
Children's Memorial Hospital	Chicago	Ortho. Surg., Path., Ped., Surg., Thor. Surg.
City of Chicago Municipal Tuberculosis Sanatorium	Chicago	Pul. Dis., Thor. Surg.
Columbus Hospital *	Chicago	Int. Med.
Cook County Hospital *	Chicago	Con. Dis., Derm. Syph., Gastro., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Englewood Hospital *	Chicago	Int. Med., Obst., Path., Rad., Surg.
Frank Cuneo Memorial Hospital	Chicago	Ob.-Gyn.
Grant Hospital *	Chicago	Anes., Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Henrotin Hospital *	Chicago	Int. Med., Obst., Surg.
Hospital of St. Anthony de Padua *	Chicago	Obst., Surg.
Illinois Central Hospital *	Chicago	Int. Med., Rad., Surg.
Illinois Eye and Ear Infirmary	Chicago	Ophth., Otol.
Illinois Masonic Hospital *	Chicago	Gen'l Pract., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg.
Lewis Memorial Maternity Hospital	Chicago	Ob.-Gyn.
Loretto Hospital *	Chicago	Int. Med., Obst., Psych.
Lutheran Deaconess Home and Hospital *	Chicago	Int. Med., Obst., Surg.
Mercy Hospital *	Chicago	Int. Med., Neuro. Surg., Ob.-Gyn., Path., Ped., Psych., Rad., Surg., Urol.
Michael Reese Hospital *	Chicago	Anes., Card. Dis., Derm. Syph., Gastro., Int. Med., Mal. Dis., Ob.-Gyn. Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Mount Sinai Hospital *	Chicago	Anes., Int. Med., Ob.-Gyn., Path., Ped., Psych., Rad., Surg., Urol.
Muncipal Contagious Disease Hospital	Chicago	Con. Dis.
Northwestern University Medical Center	Chicago	Allergy, Derm. Syph., Neur., Neuro. Surg., Phys. Med., Psych.
Norwegian-American Hospital *	Chicago	Int. Med., Path., Surg.
Passavant Memorial Hospital *	Chicago	Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Path., Rad., Surg.
Presbyterian Hospital *	Chicago	Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Path., Ped., Rad., Surg., Urol.
Provident Hospital *	Chicago	Int. Med., Ob.-Gyn., Ophth., Ped., Surg.
Ravenswood Hospital *	Chicago	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Anne's Hospital *	Chicago	Ob.-Gyn., Rad., Surg.
St. Bernard's Hospital *	Chicago	Rad.
St. Elizabeth Hospital *	Chicago	Ob.-Gyn., Ortho. Surg.
St. Joseph Hospital *	Chicago	Int. Med., Ob.-Gyn., Path., Ped., Surg.
St. Luke's Hospital *	Chicago	Anes., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
St. Mary of Nazareth Hospital *	Chicago	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Surg.
Shriners Hospital for Crippled Children	Chicago	Ortho. Surg.
South Shore Hospital *	Chicago	Gen'l Pract.
Swedish Covenant Hospital *	Chicago	Obst.
University of Chicago Clinics *	Chicago	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
University of Illinois Neuropsychiatric Institute	Chicago	Neur., Neuro. Surg., Psych.
University of Illinois Research and Educational Hospitals *	Chicago	Allergy, Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
Veterans Admin. Research Hospital	Chicago	Allergy, Int. Med., Neuro. Surg., Ophth., Otol., Path., Phys. Med., Rad., Surg., Thor. Surg.
Veterans Admin. (West Side) Hospital	Chicago	Int. Med., Psych., Rad., Surg.
Women and Children's Hospital *	Chicago	Int. Med., Ob.-Gyn., Surg.
Woodlawn Hospital *	Chicago	Ophth., Surg.
Decatur and Macon County Hospital *	Decatur, Ill.	Gen'l Pract.
Dixon State School	Dixon, Ill.	Psych.
Veterans Admin. Hospital	Downey, Ill.	Psych.
Elgin State Hospital	Elgin, Ill.	Psych.
Evanston Hospital *	Evanston, Ill.	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
St. Francis Hospital *	Evanston, Ill.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg.

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Name of Hospital	Location	Approved Residencies
Little Company of Mary Hospital *	Evergreen Park, Ill.	Int. Med., Ob.-Gyn., Ped., Rad., Surg.
U. S. Naval Hospital *	Great Lakes, Ill.	Int. Med., Ob.-Gyn., Surg.
Veterans Admin. Hospital	Hines, Ill.	Anes., Card. Dis., Derm. Syph., Int. Med., Mal. Dis., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Plas. Surg., Psych., Rad., Surg., Thor. Surg., Urol.
Jacksonville State Hospital	Jacksonville, Ill.	Psych.
St. Joseph's Hospital	Joliet, Ill.	Anes.
West Suburban Hospital *	Oak Park, Ill.	Int. Med., Ob.-Gyn., Ortho. Surg., Ped., Surg.
Methodist Hospital of Central Illinois *	Peoria, Ill.	Gen'l Pract., Obst., Path., Surg.
Peoria Municipal Tuberculosis Sanatarium	Peoria, Ill.	Pul. Dis.
St. Francis Hospital *	Peoria, Ill.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg.
U. S. Air Force Hospital	Rantoul, Ill.	Surg.
Rockford Memorial Hospital *	Rockford, Ill.	Path.
St. Anthony's Hospital *	Rockford, Ill.	Ob.-Gyn., Path., Surg.
Swedish-American Hospital *	Rockford,Ill.	Gen. Pract., Rad.
Lake County Tuberculosis Sanatorium	Waukegan, Ill.	Pul. Dis.
North Shore Health Resort	Winnetka, Ill.	Psych.
St. Francis Hospital	Beach Grove, Ind.	Gen'l Pract.
Clinic Hospital	Bluffton, Ind.	Int. Med., Rad., Surg.
St Joseph's Hospital *	Fort Wayne, Ind.	Path., Rad.
Methodist Hospital *	Gary, Ind.	Gen'l Pract., Path.
St. Margaret Hospital *	Hammond, Ind.	Gen'l Pract., Rad.
Central State Hospital	Indianapolis	Psych.
Indianapolis General Hospital *	Indianapolis	Anes., Card. Dis., Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Pul. Dis., Rad., Surg., Urol.
Indiana University Medical Center *	Indianapolis	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
Methodist Hospital *	Indianapolis	Gen'l Pract., Int. Med., Neur., Obst., Ortho. Surg., Path., Rad., Surg., Urol.
Norways Foundation Hospital	Indianapolis	Psych.
St. Vincent's Hospital *	Indianapolis	Int. Med., Ob.-Gyn., Ortho., Path., Ped., Surg.
Sunnyside Sanatorium	Indianapolis	Pul. Dis.
Veterans Admin. Hospital	Indianapolis	Int. Med., Ortho. Surg., Path., Psych., Rad., Surg.
St. Elizabeth Hospital *	Lafayette, Ind.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Logansport State Hospital	Logansport, Ind.	Psych.
Ball Memorial Hospital *	Muncie, Ind.	Path., Surg.
Healthwin Hospital	South Bend, Ind.	Pul. Dis.
Memorial Hospital *	South Bend, Ind.	Anes., Gen'l Pract.
South Bend Medical Foundation	South Bend, Ind.	Path.
Dr. Norman M. Beatty Memorial Hospital	Westville, Ind.	Psych.
St. Luke's Methodist Hospital *	Cedar Rapids, Iowa	Gen'l Pract
Mental Health Institute	Cherokee, Iowa	Psych.
Broadlawns Polk County Hospital *	Des Moines, Iowa	Gen'l Pract., Surg.
Iowa Methodist Hospital *	Des Moines, Iowa	Int. Med., Ortho. Surg., Path., Ped., Rad., Surg.
Mercy Hospital *	Des Moines, Iowa	Path.
Veterans Admin. Hospital	Des Moines, Iowa	Anes., Int. Med., Ortho. Surg., Path., Rad., Surg., Urol.
Mental Health Institute	Independence, Iowa	Psych.
Iowa State Psychopathic Hospital	Iowa City	Psych.
Mercy Hospital *	Iowa City	Ortho. Surg., Surg.
University Hospitals *	Iowa City	Anes., Derm. Syph., Gen'l Pract., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg. Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital	Iowa City	Anes., Int. Med., Path., Rad., Surg.
Halstead Hospital	Halstead, Kan.	Psych.
St. Margaret Hospital *	Kansas City, Kan.	Surg.
University of Kansas Medical Center *	Kansas City, Kan.	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Plas. Surg., Psych., Rad., Surg., Urol.
C. F. Menninger Memorial Hospital	Topeka, Kan.	Psych.
Topeka State Hospital	Topeka, Kan.	Psych.
Veterans Admin. Hospital	Topeka, Kan.	Int. Med., Neur., Path., Psych.
Veterans Admin. Hospital	Wadsworth, Kan.	Int. Med., Ophth., Otol., Ortho. Surg., Path., Phys. Med., Rad., Surg., Urol.
St. Francis Hospital *	Wichita, Kan.	Gen'l Pract., Int. Med., Ob-Gyn., Ortho. Surg., Path., Rad., Surg.
Veterans Admin. Hospital	Wichita, Kan.	Int. Med., Surg.
Wesley Hospital *	Wichita, Kan.	Gen'l Pract., Int. Med., Ob-Gyn., Path., Rad., Surg.
U. S. Army Hospital	Fort Campbell, Ky.	Surg.
U. S. Army Hospital	Fort Knox, Ky.	Surg.
Central State Hospital	Lakeland, Ky.	Psych.
Good Samaritan Hospital *	Lexington, Ky.	Int. Med., Ortho. Surg., Surg.
St. Joseph Hospital *	Lexington, Ky.	Int. Med., Ob.-Gyn., Ortho. Surg., Surg., Urol.
U. S. Public Health Service Hospital	Lexington, Ky.	Psych.
Veterans Admin. Hospital	Lexington, Ky.	Psych.
Children's Hospital	Louisville, Ky.	Path., Ped.
Kosair Crippled Children's Hospital	Louisville, Ky.	Ortho. Surg.
Louisville General Hospital *	Louisville, Ky.	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Norton Memorial Infirmary *	Louisville, Ky.	Psych., Surg.
St. Anthony's Hospital *	Louisville, Ky.	Gen'l Pract.
St. Joseph Infirmary *	Louisville, Ky.	Int. Med., Ob.-Gyn., Ped., Rad., Surg.
Veterans Admin. Hospital	Louisville, Ky.	Int. Med., Neur., Ophth., Otol., Ortho. Surg., Path., Psych., Rad., Surg.
Baton Rouge General Hospital *	Baton Rouge, La.	Gen'l Pract., Path.
Lafayette Charity Hospital	Lafayette, La.	Gen'l Pract., Surg.
St. Patrick's Hospital	Lake Charles, La.	Gen'l Pract.
Charity Hospital of Louisiana *	New Orleans	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Pul. Dis., Rad., Surg., Urol.
DePaul Hospital	New Orleans	Psych.
Eye, Ear, Nose and Throat Hospital	New Orleans	Ophth., Otol.
Hotel Dieu, Sisters Hospital *	New Orleans	Ob.-Gyn., Path., Ped., Surg.
Ochsner Foundation Hospital	New Orleans	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Ortho. Surg., Proct., Psych., Rad., Surg., Urol.
Southern Baptist Hospital *	New Orleans	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Touro Infirmary *	New Orleans	Gastro., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Rad., Surg.
U. S. Public Health Service Hospital *	New Orleans	Int. Med., Ophth., Path., Rad., Surg.
Veterans Admin. Hospital	New Orleans	Derm. Syph., Int. Med., Ophth., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
Huey P. Long Charity Hospital	Pineville, La.	Gen'l Pract.
Confederate Memorial Hospital *	Shreveport, La.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Shriners Hospital for Crippled Children	Shreveport, La.	Ortho. Surg.
Eastern Maine General Hospital *	Bangor, Maine	Anes., Path., Rad.
Central Maine Sanatorium	Fairfield, Maine	Pul. Dis.
Central Maine General Hospital *	Lewiston, Maine	Anes., Int. Med., Path., Ped., Rad., Surg.
Maine General Hospital *	Portland, Maine	Anes., Int. Med., Path., Rad., Surg.
Baltimore City Hospitals *	Baltimore	Int. Med., Neur., Ob.-Gyn., Ortho. Surg., Path., Ped., Pul. Dis., Rad., Surg.
Baltimore Eye, Ear and Throat Charity Hospital	Baltimore	Ophth., Otol.
Bon Secours Hospital *	Baltimore	Gen'l Pract., Ob.-Gyn., Surg.
Children's Hospital School	Baltimore	Ortho. Surg.

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Name of Hospital	Location	Approved Residencies
Church Home and Hospital *	Baltimore	Int. Med., Obst., Surg.
Franklin Square Hospital *	Baltimore	Int. Med., Ob.-Gyn., Surg.
Hospital for Women *	Baltimore	Int. Med., Ob.-Gyn., Path.
James Lawrence Kernan Hospital for Crippled Children	Baltimore	Ortho. Surg.
Johns Hopkins Hospital *	Baltimore	Int Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
Lutheran Hospital *	Baltimore	Int. Med., Ob.-Gyn., Path., Surg.
Maryland General Hospital *	Baltimore	Int. Med., Ob.-Gyn., Path., Surg.
Mercy Hospital *	Baltimore	Int. Med., Ob.-Gyn., Otol., Path., Ped., Rad., Surg.
Provident Hospital and Free Dispensary *	Baltimore	Int. Med., Obst., Surg.
St. Agnes Hospital *	Baltimore	Int. Med., Ob.-Gyn., Surg.
St. Joseph's Hospital *	Baltimore	Ob.-Gyn.
Seton Institute	Baltimore	Psych.
Sinai Hospital *	Baltimore	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
South Baltimore General Hospital *	Baltimore	Int. Med., Obst., Surg.
Union Memorial Hospital *	Baltimore	Int. Med., Obst., Path., Ped., Surg.
U. S. Public Health Service Hospital *	Baltimore	Int. Med., Ophth., Path., Rad., Surg.
University Hospital *	Baltimore	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Path., Ped., Psych., Rad., Surg., Thor. Surg., Urol.
National Institutes of Health—Clinical Center	Bethesda, Md.	Int. Med., Neuro., Path., Psych., Rad.
Suburban Hospital *	Bethesda, Md.	Gen'l Pract.
U. S. Naval Hospital *	Bethesda, Md.	Anes., Card. Dis., Int. Med., Neur., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Spring Grove State Hospital	Catonsville, Md.	Psych.
Prince George's General Hospital *	Cheverly, Md.	Int. Med., Ob.-Gyn., Path., Surg.
Crownsville State Hospital	Crownsville, Md.	Psych.
Veterans Admin. Hospital	Fort Howard, Md.	Derm. Syph., Int. Med., Ophth., Path., Phys. Med., Rad., Surg., Urol.
Washington County Hospital *	Hagerstown, Md.	Rad.
Veterans Admin. Hospital	Perry Point, Md.	Int. Med., Psych., Surg.
Chestnut Lodge Sanitarium	Rockville, Md.	Psych.
Springfield State Hospital	Sykesville, Md.	Psych.
Sheppard and Enoch Pratt Hospital	Towson, Md.	Psych.
Veterans Admin. Hospital	Bedford, Mass.	Psych.
Beverly Hospital *	Beverly, Mass.	Int. Med., Path., Surg.
Beth Israel Hospital *	Boston	Card. Dis., Gastro., Int. Med., Ob.-Gyn., Path., Psych., Rad., Surg., Urol.
Boston City Hospital *	Boston	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Boston Floating Hospital	Boston	Ped.
Boston Lying-In Hospital	Boston	Obst., Path.
Boston Psychopathic Hospital	Boston	Psych.
Boston Sanatorium	Boston	Pul. Dis., Thor. Surg.
Boston State Hospital	Boston	Psych.
Carney Hospital *	Boston	Int. Med., Ob.-Gyn., Path., Surg.
Children's Medical Center *	Boston	Neuro. Surg., Ortho. Surg., Path., Ped., Rad., Surg.
Faulkner Hospital	Boston	Int. Med., Path., Rad.
Lahey Clinic	Boston	Anes., Gastro., Int. Med., Neuro. Surg., Ortho. Surg., Rad.
Massachusetts Eye and Ear Infirmary	Boston	Ophth., Otol.
Massachusetts General Hospital *	Boston	Allergy, Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ortho. Surg., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
Massachusetts Memorial Hospitals *	Boston	Anes., Con. Dis., Derm. Syph., Gastro., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
New England Center Hospital *	Boston	Anes., Int. Med., Neur., Neuro. Surg., Path., Psych., Rad., Surg., Urol.
New England Deaconess Hospital	Boston	Anes., Int. Med., Path., Rad.
New England Hospital *	Boston	Anes., Obst.
Peter Bent Brigham Hospital *	Boston	Anes., Int. Med., Neuro. Surg., Ortho. Surg., Path., Rad., Surg., Urol.
St. Elizabeth Hospital *	Boston	Anes., Int. Med., Obst., Path., Psych., Rad., Surg.
St. Margaret's Hospital	Boston	Obst.
U. S. Public Health Service Hospital *	Boston	Int. Med., Surg.
Veterans Admin. Hospital	Boston (Jamaica Plain)	Int. Med., Neur., Neuro. Surg., Ortho. Surg., Otol., Path., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Boston (West Roxbury)	Phys. Med., Urol.
Veterans Admin. Hospital	Brockton, Mass.	Psych.
Booth Memorial Hospital and Home	Brookline, Mass.	Obst.
Free Hospital for Women	Brookline, Mass.	Gyn.
Cambridge City Hospital *	Cambridge, Mass.	Anes., Int. Med., Ob.-Gyn., Rad., Surg.
Mount Auburn Hospital *	Cambridge, Mass.	Anes., Int. Med., Path., Rad., Surg., Urol.
Massachusetts Hospital School	Canton, Mass.	Ortho. Surg.
Lawrence F. Quigley Memorial Hospital	Chelsea, Mass.	Int. Med., Surg.
U. S. Naval Hospital *	Chelsea, Mass.	Anes., Gen'l Pract., Int. Med., Ob.-Gyn., Ortho. Surg., Ped., Rad., Surg.
Fall River General Hospital, Tuberculosis Division	Fall River, Mass.	Pul. Dis.
St. Anne's Hospital	Fall River, Mass.	Gen'l Pract., Ob.-Gyn.
Truesdale Hospital *	Fall River, Mass.	Int. Med., Path., Surg.
Burbank Hospital	Fitchburg, Mass.	Path., Surg.
Foxboro State Hospital	Foxboro, Mass.	Psych.
Danvers State Hospital	Hathorne, Mass.	Psych.
Holyoke Hospital *	Holyoke, Mass.	Anes.
Lawrence General Hospital *	Lawrence, Mass.	Path., Rad.
Lynn Hospital *	Lynn, Mass.	Int. Med., Ortho. Surg., Path., Rad., Surg.
Malden Hospital	Malden, Mass.	Int. Med., Path., Surg.
Medfield State Hospital	Medfield, Mass.	Psych.
St. Luke's Hospital *	New Bedford, Mass.	Path.
Newton-Wellesley Hospital *	Newton, Mass.	Anes., Int. Med., Path., Rad., Surg.
Cooley Dickenson Hospital	Northampton, Mass.	Gen'l Pract.
Northampton State Hospital	Northampton, Mass.	Psych.
Quincy City Hospital *	Quincy, Mass.	Ob.-Gyn., Path., Surg.
Veterans Admin. Hospital	Rutland Heights, Mass.	Pul. Dis., Thor. Surg.
Salem Hospital *	Salem, Mass.	Int. Med., Path., Rad., Surg., Urol.
Shriners Hospital for Crippled Children	Springfield, Mass.	Ortho. Surg.
Springfield Hospital *	Springfield, Mass.	Int. Med., Path., Rad., Surg.
Austen Riggs Foundation	Stockbridge, Mass.	Psych.
Taunton State Hospital	Taunton, Mass.	Psych.
Pondville Hospital	Walpole, Mass.	Path., Surg.
Metropolitan State Hospital	Waltham, Mass.	Psych.
Middlesex County Sanatorium	Waltham, Mass.	Pul. Dis.
McLean Hospital	Waverly, Mass.	Psych.
Westfield State Sanatorium	Westfield, Mass.	Mal. Dis., Pul. Dis., Surg.
Memorial Hospital *	Worcester, Mass.	Int. Med., Path., Rad., Surg.
St. Vincent's Hospital *	Worcester, Mass.	Anes., Int. Med., Surg.
Worcester City Hospital *	Worcester, Mass.	Anes. Con. Dis., Int. Med., Ortho. Surg., Path., Ped., Psych., Pul. Dis., Surg.
Worcester State Hospital	Worcester, Mass.	Psych.
St. Joseph Mercy Hospital *	Ann Arbor, Mich.	Int. Med., Ob.-Gyn., Rad., Surg.
University Hospital *	Ann Arbor, Mich.	Allergy, Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Psych., Rad., Surg., Thor. Surg., Urol.
American Legion Hospital	Battle Creek, Mich.	Pul. Dis.

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Name of Hospital	Location	Approved Residencies
Leila Y. Post Montgomery Hospital ★	Battle Creek, Mich.	Int. Med., Path., Rad., Surg.
Veterans Admin. Hospital	Battle Creek, Mich.	Psych.
St. Joseph's Retreat	Dearborn, Mich.	Psych.
Veterans Admin. Hospital	Dearborn, Mich.	Int. Med., Neur., Ophth., Path., Psych., Rad., Surg., Urol.
Alexander Blain Hospital	Detroit	Int. Med., Surg.
Children's Hospital	Detroit	Ortho. Surg., Ped., Rad.
Detroit Memorial Hospital ★	Detroit	Anes., Int. Med., Ob.-Gyn., Path., Surg.
Evangelical Deaconess Hospital ★	Detroit	Int. Med., Ob.-Gyn.
Florence Crittenton Hospital	Detroit	Int. Med., Ob.-Gyn., Surg.
Grace Hospital ★	Detroit	Int. Med., Neuro. Surg., Ob.-Gyn., Path., Rad., Surg., Urol.
Harper Hospital ★	Detroit	Anes., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Henry Ford Hospital ★	Detroit	Anes., Card. Dis., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Plas. Surg., Psych., Pul. Dis., Rad., Surg., Urol.
Herman Kiefer Hospital	Detroit	Con. Dis., Obst., Path., Pul. Dis., Rad., Thor. Surg.
Jennings Memorial Hospital	Detroit	Int. Med., Surg.
Lynn Hospital	Detroit	Gen'l Pract.
Mount Carmel Mercy Hospital ★	Detroit	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Providence Hospital ★	Detroit	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Receiving Hospital ★	Detroit	Anes., Derm. Syph., Int. Med., Gyn., Ophth., Otol., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
St. John Hospital ★	Detroit	Ob.-Gyn., Surg.
St. Joseph Mercy Hospital ★	Detroit	Int. Med., Ob.-Gyn., Surg.
Saratoga General Hospital	Detroit	Gen'l Pract.
Sinai Hospital ★	Detroit	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Woman's Hospital ★	Detroit	Int. Med., Ob-Gyn., Path., Surg.
Wayne County General Hospital and Infirmary ★	Eloise, Mich.	Int. Med., Path., Psych., Rad., Surg., Urol.
Hurley Hospital ★	Flint, Mich.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
McLaren General Hospital ★	Flint, Mich.	Gen'l Pract., Int. Med., Path., Surg.
St. Joseph Hospital ★	Flint, Mich.	Gen'l Pract., Path., Rad.
Veterans Admin. Hospital	Fort Custer, Mich.	Psych.
Blodgett Memorial Hospital ★	Grand Rapids, Mich.	Int. Med., Ob-Gyn., Ortho. Surg., Path., Rad., Surg., Urol.
Butterworth Hospital ★	Grand Rapids, Mich.	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Ferguson-Droste-Ferguson Hospital	Grand Rapids, Mich.	Proct.
St. Mary's Hospital ★	Grand Rapids, Mich.	Int. Med., Ob.-Gyn., Ped., Surg.
Highland Park General Hospital ★	Highland Park, Mich.	Ob.-Gyn., Surg.
Michigan State Sanatorium	Howell, Mich.	Pul. Dis.
Borgess Hospital ★	Kalamazoo, Mich.	Gen'l Pract., Ortho. Surg.
Bronson Methodist Hospital ★	Kalamazoo, Mich.	Int. Med., Surg.
Kalamazoo State Hospital	Kalamazoo, Mich.	Psych.
Edward W. Sparrow Hospital ★	Lansing, Mich.	Int. Med., Path., Surg.
Ingham Chest Hospital	Lansing, Mich.	Pul. Dis., Thor. Surg.
St. Lawrence Hospital ★	Lansing, Mich.	Int. Med.
Morgan Heights Sanatorium	Marquette, Mich.	Pul. Dis.
Mercy Hospital	Muskegon, Mich.	Gen'l Pract.
Northville State Hospital	Northville, Mich.	Psych.
William H. Maybury Sanatorium	Northville, Mich.	Pul. Dis.
Pontiac General Hospital ★	Pontiac, Mich.	Int. Med., Ob.-Gyn., Path., Surg.
Pontiac State Hospital	Pontiac, Mich.	Psych.
St. Joseph Mercy Hospital ★	Pontiac, Mich.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Saginaw General Hospital ★	Saginaw, Mich.	Int. Med., Ob.-Gyn., Occup. Med., Path., Ped., Surg.
St. Luke's Hospital ★	Saginaw, Mich.	Gen'l Pract.
St. Mary's Hospital ★	Saginaw, Mich.	Gen'l Pract.
James Decker Munson Hospital ★	Traverse City, Mich.	Gen'l Pract.
Traverse City State Hospital	Traverse City, Mich.	Psych.
Wyandotte General Hospital	Wyandotte, Mich.	Gen'l Pract.
Beyer Memorial Hospital	Ypsilanti, Mich.	Rad.
Ypsilanti State Hospital	Ypsilanti, Mich.	Psych.
St. Luke's Hospital ★	Duluth, Minn.	Path.
St. Mary's Hospital ★	Duluth, Minn.	Int. Med., Path.
Asbury Hospital	Minneapolis	Int. Med.
Fairview Hospital	Minneapolis	Gen'l Pract., Ortho. Surg.
Lutheran Deaconess Home and Hospital	Minneapolis	Gen'l Pract.
Minneapolis General Hospital ★	Minneapolis	Derm. Syph., Int. Med., Ob.-Gyn., Ophth., Otol., Path., Ped., Psych., Surg., Urol.
Mount Sinai Hospital ★	Minneapolis	Gen'l Pract., Int. Med., Surg.
Northwestern Hospital ★	Minneapolis	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
St. Barnabas Hospital ★	Minneapolis	Int. Med., Ob.-Gyn., Path., Surg.
St. Mary's Hospital ★	Minneapolis	Ob.-Gyn., Urol.
Shriners Hospital for Crippled Children	Minneapolis	Ortho. Surg.
Swedish Hospital ★	Minneapolis	Path., Rad., Surg.
University of Minnesota Hospitals ★	Minneapolis	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Proct., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Minneapolis	Derm. Syph., Int. Med., Neur., Ophth., Otol., Ortho. Surg., Path., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Glen Lake Sanatorium	Oak Terrace, Minn.	Pul. Dis.
Mayo Foundation	Rochester, Minn.	Allergy, Anes., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Plas. Surg., Proct., Psych., Pul. Dis., Rad., Surg., Urol.
Rochester State Hospital	Rochester, Minn.	Psych.
Ancker Hospital ★	St. Paul, Minn.	Derm. Syph., Int. Med., Otol., Path., Surg., Urol.
Charles T. Miller Hospital ★	St. Paul, Minn.	Int. Med., Ob.-Gyn., Ophth., Path., Rad., Surg., Urol.
Gillette State Hospital for Crippled Children	St. Paul, Minn.	Ortho. Surg.
Midway Hospital	St. Paul, Minn.	Gen'l Pract.
St. Joseph's Hospital ★	St. Paul, Minn.	Ob.-Gyn., Path., Rad., Surg.
Veterans Admin. Hospital	Gulfport, Miss.	Psych.
Mississippi Baptist Hospital ★	Jackson, Miss.	Ortho. Surg.
Mississippi State Tuberculosis Sanatorium	Sanatorium, Miss.	Pul. Dis.
Mercy Hospital-Street Memorial ★	Vicksburg, Miss.	Gen'l Pract., Surg.
Vicksburg Hospital	Vicksburg, Miss.	Surg.
Mississippi State Hospital	Whitfield, Miss.	Psych.
St. Louis County Hospital ★	Clayton, Mo.	Int. Med., Ob.-Gyn., Ophth., Path., Surg.
Ellis Fischel Cancer Hospital	Columbia, Mo.	Mal. Dis., Surg.
Veterans Admin. Hospital	Excelsior Springs, Mo.	Pul. Dis.
Children's Mercy Hospital	Kansas City, Mo.	Ortho. Surg., Ped.
Kansas City General Hospital No. 1 ★	Kansas City, Mo.	Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Kansas City General Hospital No. 2 ★	Kansas City, Mo.	Ob.-Gyn., Rad., Surg.
Menorah Hospital Medical Center ★	Kansas City, Mo.	Int. Med., Path., Rad., Surg.
Research Hospital ★	Kansas City, Mo.	Anes., Int. Med., Path., Rad., Surg., Urol.
St. Joseph Hospital ★	Kansas City, Mo.	Int. Med., Ob.-Gyn., Path., Rad., Surg.

★ Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
St. Luke's Hospital *	Kansas City, Mo.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg.
St. Mary's Hospital *	Kansas City, Mo.	Path., Surg.
Veterans Admin. Hospital	Kansas City, Mo.	Int. Med., Neur., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
Robert Koch Hospital	Koch, Mo.	Pul. Dis.
Missouri Methodist Hospital *	St. Joseph, Mo.	Gen'l Pract., Surg.
State Hospital No. 2	St. Joseph, Mo.	Psych.
Alexian Brothers Hospital	St. Louis	Gen'l Pract.
Barnes Hospital *	St. Louis	Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Plas. Surg., Psych., Rad., Surg., Thor. Surg., Urol.
De Paul Hospital *	St. Louis	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Homer G. Phillips Hospital *	St. Louis	Int. Med., Ob.-Gyn., Ophth., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Jewish Hospital *	St. Louis	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Missouri Baptist Hospital *	St. Louis	Ob.-Gyn., Path., Surg., Urol.
Missouri Pacific Hospital	St. Louis	Int. Med., Surg., Urol.
St. Anthony's Hospital *	St. Louis	Gen'l Pract., Int. Med., Surg.
St. John's Hospital *	St. Louis	Anes., Int. Med., Obst., Path., Surg.
St. Louis Children's Hospital *	St. Louis	Otol., Ped., Surg.
St. Louis City Hospital *	St. Louis	Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
St. Louis State Hospital	St. Louis	Psych.
St. Luke's Hospital *	St. Louis	Int. Med., Ob.-Gyn., Rad., Surg.
St. Mary's Group of Hospitals *	St. Louis	Derm. Syph., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Pul. Dis., Rad., Surg., Urol.
Shriners Hospital for Crippled Children	St. Louis	Ortho. Surg.
Veterans Admin. Hospital	St. Louis	Anes., Int. Med., Ophth., Otol., Ortho. Surg., Path., Rad., Surg., Thor. Surg., Urol.
Butte Community Memorial Hospital *	Butte, Mont.	Gen'l Pract.
Montana Deaconess Hospital *	Great Falls, Mont.	Int. Med., Path.
Hastings State Hospital	Ingleside, Neb.	Psych.
Lincoln General Hospital *	Lincoln, Neb.	Ob.-Gyn., Path.
Nebraska Orthopedic Hospital	Lincoln, Neb.	Ortho. Surg.
St. Elizabeth's Hospital *	Lincoln, Neb.	Ob.-Gyn., Surg.
Veterans Admin. Hospital	Lincoln, Neb.	Int. Med., Ortho. Surg., Surg., Urol.
Norfolk State Hospital	Norfolk, Neb.	Psych.
Bishop Clarkson Memorial Hospital *	Omaha	Ob.-Gyn., Path.
Creighton Memorial-St. Joseph Hospital *	Omaha	Int. Med., Ob.-Gyn., Path., Ped., Psych., Rad., Surg.
Immanuel Hospital *	Omaha	Ob.-Gyn.
Lutheran Hospital	Omaha	Psych.
Nebraska Methodist Hospital *	Omaha	Path., Rad.
St. Catherine's Hospital *	Omaha	Rad.
University of Nebraska Hospital *	Omaha	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg.
Veterans Admin. Hospital	Omaha	Int. Med., Psych., Surg.
New Hampshire State Hospital	Concord, N. H.	Psych.
Mary Hitchcock Memorial Hospital *	Hanover, N. H.	Anes., Derm. Syph., Int. Med., Neuro Surg., Path., Ped., Phys. Med., Rad., Surg., Urol.
Elliott Hospital	Manchester, N. H.	Path.
Atlantic City Hospital *	Atlantic City, N. J.	Int. Med., Path., Rad., Surg.
Bayonne Hospital and Dispensary *	Bayonne, N. J.	Urol.
Essex County Hospital for Contagious Diseases	Belleville, N. J.	Con. Dis.
Cooper Hospital *	Camden, N. J.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
West Jersey Hospital *	Camden, N. J.	Path., Surg.
Essex County Overbrook Hospital	Cedar Grove, N. J.	Psych.
Veterans Admin. Hospital	East Orange, N. J.	Int. Med., Neur., Otol., Path., Rad., Surg.
Englewood Hospital *	Englewood, N. J.	Int. Med., Path.
Hunterdon Medical Center	Flemington, N. J.	Gen'l Pract.
New Jersey Sanatorium for Chest Diseases	Glen Garden, N. J.	Pul. Dis.
New Jersey State Hospital	Greystone Park, N. J.	Psych.
Hackensack Hospital *	Hackensack, N. J.	Int. Med., Ob.-Gyn., Rad., Surg.
Berthold S. Pollack Hospital for Chest Diseases	Jersey City, N. J.	Pul. Dis., Thor. Surg.
Christ Hospital *	Jersey City, N. J.	Path.
Margaret Hague Maternity Hospital	Jersey City, N. J.	Obst.
Medical Center-Jersey City Hospital *	Jersey City, N. J.	Anes., Int. Med., Gyn., Ophth., Path., Ped., Rad., Surg., Urol.
Monmouth Memorial Hospital *	Long Branch, N. J.	Obst., Ortho. Surg., Path., Surg.
Veterans Admin. Hospital	Lyons, N. J.	Psych.
New Jersey State Hospital	Marlboro, N. J.	Psych.
Mountainside Hospital *	Montclair, N. J.	Gen'l Pract., Int. Med., Path., Surg.
Morristown Memorial Hospital *	Morristown, N. J.	Gen'l Pract., Int. Med., Path., Rad., Surg.
Burlington County Hospital	Mount Holly, N. J.	Int. Med., Path., Rad., Surg.
Fitkin Memorial Hospital *	Neptune, N. J.	Int. Med., Surg.
Babies' Hospital-Coit Memorial	Newark, N. J.	Ped.
Harrison S. Martland Medical Center *	Newark, N. J.	Int. Med., Ob.-Gyn., Path., Rad., Surg., Urol.
Hospital and Home for Crippled Children	Newark, N. J.	Ortho. Surg.
Hospital of St. Barnabas and for Women and Children *	Newark, N. J.	Path., Plas. Surg., Rad., Surg.
Newark Beth Israel Hospital *	Newark, N. J.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Newark Eye and Ear Infirmary	Newark, N. J.	Ophth., Otol.
Presbyterian Hospital *	Newark, N. J.	Path., Surg.
St. Michael's Hospital *	Newark, N. J.	Int. Med., Ob.-Gyn., Path., Ped.
St. Peter's General Hospital *	New Brunswick, N. J.	Int. Med.
New Jersey Orthopedic Hospital and Dispensary	Orange, N. J.	Ortho. Surg.
Orange Memorial Hospital *	Orange, N. J.	Int. Med., Ortho. Surg., Path., Rad., Surg., Urol.
Bergen Pines County Hospital *	Paramus, N. J.	Int. Med., Neur., Path., Psych., Pul. Dis.
Passaic General Hospital *	Passaic, N. J.	Ob.-Gyn., Path.
St. Mary Hospital *	Passaic, N. J.	Path.
Barnert Memorial Hospital *	Paterson, N. J.	Path.
Paterson General Hospital *	Paterson, N. J.	Int. Med., Obst., Path.
St. Joseph Hospital *	Paterson, N. J.	Anes., Path.
Muhlenberg Hospital *	Plainfield, N. J.	Path.
Princeton Hospital	Princeton, N. J.	Gen'l Pract.
New Jersey Neuro-Psychiatric Institute	Skillman, N. J.	Psych.
Overlook Hospital *	Summit, N. J.	Gen'l Pract., Path.
Holy Name Hospital *	Teaneck, N. J.	Ob.-Gyn.
Mercer Hospital *	Trenton, N. J.	Int. Med., Path., Rad.
New Jersey State Hospital	Trenton, N. J.	Psych.
Orthopedic Hospital and Dispensary	Trenton, N. J.	Ortho. Surg.
St. Francis Hospital *	Trenton, N. J.	Int. Med., Ob.-Gyn., Path., Ped., Surg.
Essex Mountain Sanatorium	Verona, N. J.	Pul. Dis.
Veterans Admin. Hospital	Albuquerque, N. Mex.	Int. Med., Path., Pul. Dis., Surg.
Carrie Tingley Hospital for Crippled Children	Truth or Consequences, N. Mex.	Ortho. Surg.
Albany Hospital *	Albany, N. Y.	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Otol., Ortho. Surg., Path., Ped., Plas. Surg., Psych., Pul. Dis., Rad., Surg., Urol.
Anthony N. Brady Maternity Hospital	Albany, N. Y.	Obst.
Bender Hygienic Laboratory	Albany, N. Y.	Path.
St. Peter's Hospital *	Albany, N. Y.	Ped.
Veterans Admin. Hospital	Albany, N. Y.	Int. Med., Path., Psych., Rad., Surg.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
Veterans Admin. Hospital	Bath, N. Y.	Int. Med.
Binghampton City Hospital *	Binghamton, N. Y.	Int. Med., Path., Surg.
Binghamton State Hospital	Binghamton, N. Y.	Psych.
Beth-El Hospital *	Brooklyn	Anes., Int. Med., Ob.-Gyn., Path., Ped., Surg.
Brooklyn Eye and Ear Hospital	Brooklyn	Ophth., Otol.
Brooklyn Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Brooklyn State Hospital	Brooklyn	Psych.
Brooklyn Womens Hospital	Brooklyn	Ob.-Gyn.
Coney Island Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Path., Ped., Surg.
Cumberland Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Greenpoint Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Path., Ped., Surg.
House of St. Giles the Cripple	Brooklyn	Ortho. Surg.
Jewish Chronic Disease Hospital	Brooklyn	Int. Med. Neur., Path.
Jewish Hospital *	Brooklyn	Allergy, Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
John E. Jennings Hospital	Brooklyn	Rad., Surg.
Kings County Hospital *	Brooklyn	Anes., Path., Rad.
County Service	Brooklyn	Derm. Syph., Int. Med., Ortho. Surg., Otol., Ped., Plas. Surg., Pul. Dis., Surg., Thor. Surg., Urol.
University Service	Brooklyn	Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Ped., Psych., Surg., Thor. Surg., Urol.
Long Island College Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Maimonides Hospital *	Brooklyn	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Methodist Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Norwegian Lutheran Deaconess Home and Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Path., Ped., Surg.
St. Catherine's Hospital *	Brooklyn	Anes., Int. Med., Ob.-Gyn., Path., Ped., Surg.
St. Charles Hospital Orthopedic Clinic	Brooklyn	Ortho. Surg.
St. John's Episcopal Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Ped., Surg.
St. Mary's Hospital *	Brooklyn	Ob.-Gyn., Path.
Unity Hospital *	Brooklyn	Ob.-Gyn.
Veterans Admin. Hospital	Brooklyn	Anes., Int. Med., Neur., Ophth., Ortho. Surg., Path., Psych., Rad., Surg., Thor. Surg., Urol.
Wyckoff Heights Hospital *	Brooklyn	Int. Med., Ob.-Gyn., Ped., Surg.
Buffalo General Hospital *	Buffalo	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Rad., Surg., Urol.
Buffalo State Hospital	Buffalo	Psych.
Children's Hospital	Buffalo	Ortho. Surg., Ped.
Deaconess Hospital *	Buffalo	Int. Med., Ob.-Gyn., Path., Surg.
Edward J. Meyer Memorial Hospital *	Buffalo	Anes., Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Emergency Hospital of the Sisters of Charity	Buffalo	Int. Med., Surg.
Mercy Hospital *	Buffalo	Gen'l Pract.
Millard Fillmore Hospital *	Buffalo	Anes., Gen'l Pract., Int. Med., Ob.-Gyn., Path., Proct., Surg., Urol.
Roswell Park Memorial Institute	Buffalo	Rad.
Sisters of Charity Hospital *	Buffalo	Int. Med., Ob.-Gyn., Surg.
Veterans Admin. Hospital	Buffalo	Anes., Int. Med., Ortho. Surg., Path., Phys. Med., Psych., Rad., Surg., Thor. Surg., Urol.
Mary McClellan Hospital	Cambridge, N. Y.	Surg.
Veterans Admin. Hospital	Canandaigua, N. Y.	Psych.
Veterans Admin. Hospital	Castle Point, N. Y.	Pul. Dis., Thor. Surg.
Central Islip State Hospital	Central Islip, N. Y.	Psych.
Clifton Springs Sanitarium and Clinic	Clifton Springs, N. Y.	Int. Med., Rad., Surg.
Mary Imogene Bassett Hospital *	Cooperstown, N. Y.	Int. Med., Ob.-Gyn., Ped., Surg.
Arnot-Ogden Memorial Hospital *	Elmira, N. Y.	Path.
Nassau County Tuberculosis Hospital	Farmingdale, N. Y.	Pul. Dis.
St. Joseph's Hospital	Far Rockaway, N. Y.	Gen'l Pract.
Flushing Hospital and Dispensary *	Flushing, N. Y.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Hillside Hospital	Glen Oaks, N. Y.	Psych.
Glens Falls Hospital *	Glens Falls, N. Y.	Path.
Meadowbrook Hospital *	Hempstead, N. Y.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Irvington House	Irvington, N. Y.	Card. Dis.
Cornell University Infirmary	Ithaca, N. Y.	Int. Med.
Tompkins Memorial Hospital	Ithaca, N. Y.	Int. Med.
Herman M. Biggs Memorial Hospital	Ithaca, N. Y.	Pul. Dis., Thor. Surg.
Jamaica Hospital *	Jamaica, N. Y.	Int. Med., Surg.
Mary Immaculate Hospital *	Jamaica, N. Y.	Int. Med., Obst., Path., Ped., Surg.
Queens General Hospital *	Jamaica, N. Y.	Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Triboro Hospital	Jamaica, N. Y.	Pul. Dis., Thor. Surg.
Charles S. Wilson Memorial Hospital *	Johnson City, N. Y.	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Pinewood Sanitarium	Katona, N. Y.	Psych.
Kings Park State Hospital	Kings Park, N. Y.	Psych.
Benedictine Hospital	Kingston, N. Y.	Gen'l Pract.
Kingston Hospital	Kingston, N. Y.	Gen'l Pract.
Ulster County Tuberculosis Hospital	Kingston, N. Y.	Path.
Our Lady of Victory Hospital *	Lackawanna, N. Y.	Gen'l Pract.
Niagara Sanatorium	Lockport, N. Y.	Pul. Dis.
River Crest Sanitarium	Long Island City, N. Y.	Psych.
St. John's Long Island City Hospital *	Long Island City, N. Y.	Path.
North Shore Hospital	Manhasset, N. Y.	Int. Med., Ob.-Gyn.
Marcy State Hospital	Marcy, N. Y.	Psych.
Middletown State Hospital	Middletown, N. Y.	Psych.
Nassau Hospital *	Mineola, N. Y.	Ob.-Gyn., Ophth., Ortho. Surg., Path., Surg.
Veterans Admin. Hospital	Montrose, N. Y.	Psych.
Mount Morris Tuberculosis Hospital	Mount Morris, N. Y.	Pul. Dis., Thor. Surg.
Mount Vernon Hospital	Mount Vernon, N. Y.	Int. Med., Path., Rad., Surg.
New Rochelle Hospital *	New Rochelle, N. Y.	Int. Med., Path., Rad., Surg.
Bellevue Hospital Center		
Div. I—Columbia University *	New York City	Int. Med., Pul. Dis., Surg., Thor. Surg.
Div. II—Cornell University *	New York City	Int. Med., Neur., Surg., Urol.
Div. III—New York University College of Medicine *	New York City	Int. Med., Neur., Ob.-Gyn., Path., Ped., Phys. Med., Psych., Rad., Surg.
Div. IV—New York University Post-Graduate Medical School *	New York City	Anes., Derm. Syph., Int. Med., Neuro. Surg., Ophth., Otol., Ortho. Surg., Rad., Surg., Urol.
Beth David Hospital *	New York City	Int. Med., Ob.-Gyn., Rad., Surg.
Beth Israel Hospital *	New York City	Anes., Int. Med., Ob.-Gyn., Ophth., Path., Plas. Surg., Rad., Surg., Urol.
Bird S. Coler Memorial Hospital and Home	New York City	Int. Med., Phys. Med.
Bronx Eye and Ear Infirmary	New York City	Ophth.
Bronx Hospital *	New York City	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Columbus Hospital *	New York City	Surg.
Doctors Hospital	New York City	Path., Rad.
Flower and Fifth Avenue Hospitals	New York City	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Fordham Hospital *	New York City	Int. Med., Neur., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Francis Delafield Hospital	New York City	Gyn., Int. Med., Path., Rad., Surg.
French Hospital *	New York City	Int. Med., Ob.-Gyn., Rad., Surg., Urol.

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Name of Hospital	Location	Approved Residencies
Goldwater Memorial Hospital	New York City	
Open Div. II		Ophth., Path., Phys. Med., Rad., Surg.
University Div. III		Int. Med., Neur.
Gouverneur Hospital	New York City	Surg.
Harlem Eye and Ear Hospital	New York City	Ophth., Otol.
Harlem Hospital *	New York City	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Hospital for Joint Diseases *	New York City	Anes., Int. Med., Gyn., Ortho. Surg., Path., Phys. Med., Rad., Surg.
Hospital for Special Surgery	New York City	Ortho. Surg., Phys. Med.
Jewish Memorial Hospital *	New York City	Int. Med., Ob.-Gyn., Path., Surg.
Knickerbocker Hospital *	New York City	Int. Med., Path., Surg.
Lebanon Hospital *	New York City	Int. Med., Path., Surg.
Lenox Hill Hospital *	New York City	Anes., Card. Dis., Int. Med., Ob.-Gyn., Ophth., Path., Ped., Rad., Surg.
Lincoln Hospital *	New York City	Int. Med., Ob.-Gyn., Ped., Rad., Surg., Urol.
Manhattan Eye, Ear and Throat Hospital	New York City	Ophth., Otol.
Manhattan General Hospital	New York City	Pul. Dis.
Manhattan State Hospital	New York City	Psych.
Memorial Center for Cancer and Allied Diseases	New York City	Anes., Int. Med., Path., Rad., Surg.
Metropolitan Hospital *	New York City	Anes., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Phys. Med., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Misericordia Hospital *	New York City	Int. Med., Obst., Ped., Surg.
Montefiore Hospital *	New York City	Anes., Int. Med., Mal. Dis., Neur., Ophth., Path., Phys. Med., Pul. Dis., Rad., Surg., Thor. Surg.
Morrisania City Hospital *	New York City	Int. Med., Neur., Ob.-Gyn., Path., Ped., Pul. Dis., Rad., Surg., Urol.
Mother Cabrini Memorial Hospital *	New York City	Surg.
Mount Sinai Hospital *	New York City	Anes., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
New York City Hospital *	New York City	Anes., Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Otol., Path., Ped., Phys. Med., Pul. Dis., Rad., Surg., Urol.
New York Eye and Ear Infirmary	New York City	Ophth., Otol.
New York Hospital *	New York City	Anes., Derm. Syph., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
New York Infirmary *	New York City	Int. Med., Obst., Ped., Surg.
New York Polyclinic Medical School and Hospital *	New York City	Anes., Derm. Syph., Gastro., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Rad., Surg., Urol.
New York State Psychiatric Institute and Hospital	New York City	Psych.
New York University-Bellevue Medical Center		
University Hospital	New York City	Allergy, Derm. Syph., Int. Med., Gyn., Path., Ped., Psych., Rad.
Presbyterian Hospital *	New York City	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg, Path., Ped., Phys. Med., Plas. Surg., Rad., Surg., Urol.
Roosevelt Hospital *	New York City	Allergy, Int. Med., Gyn., Otol., Path., Ped., Psych., Rad., Surg., Urol.
St. Barnabas Hospital for Chronic Diseases	New York City	Int. Med., Path.
St. Clare's Hospital *	New York City	Anes., Int. Med., Ob.-Gyn., Path., Ped., Surg., Urol.
St. Francis Hospital *	New York City	Int. Med., Ob.-Gyn., Rad., Surg.
St. Joseph Hospital for Chest Diseases	New York City	Pul. Dis., Thor. Surg.
St. Luke's Hospital *	New York City	Anes., Card. Dis., Derm. Syph., Int. Med., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Rad., Surg., Urol.
St. Vincent's Hospital *	New York City	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Path., Ped., Rad., Surg.
Sydenham Hospital *	New York City	Int. Med., Ob.-Gyn., Ped., Rad., Surg.
Veterans Admin. Hospital	New York City (Bronx)	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ophth., Otol., Ortho. Surg., Path., Phys. Med., Plas. Surg., Psych., Rad., Surg., Thor. Surg., Urol.
Veterans Admin. Hospital	New York City (Manhattan)	Urol.
Willard Parker Hospital	New York City	Con. Dis., Pul. Dis.
Woman's Hospital	New York City	Ob.-Gyn.
St. Lawrence State Hospital	Ogdensburg, N. Y.	Psych.
Homer Folks Tuberculosis Hospital	Oneonta, N. Y.	Pul. Dis., Thor. Surg.
Rockland State Hospital	Orangeburg, N. Y.	Psych.
Stony Lodge Sanitarium	Ossining, N. Y.	Psych.
High Point Hospital	Port Chester, N. Y.	Psych.
United Hospital *	Port Chester, N. Y.	Int. Med., Obst., Path., Rad., Surg.
St. Charles Hospital for Crippled Children	Port Jefferson, N. Y.	Ortho. Surg.
Hudson River State Hospital	Poughkeepsie, N. Y.	Psych.
Creedmoor State Hospital	Queens Village, N. Y.	Psych.
Raybrook State Tuberculosis Hospital	Raybrook, N. Y.	Pul. Dis., Thor. Surg.
Genesee Hospital *	Rochester, N. Y.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Highland Hospital *	Rochester, N. Y.	Anes., Int. Med., Ob.-Gyn., Surg.
Iola-Monroe County Tuberculosis Sanatorium	Rochester, N. Y.	Pul. Dis.
Rochester General Hospital *	Rochester, N. Y.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg.
Rochester State Hospital	Rochester, N. Y.	Psych.
St. Mary's Hospital *	Rochester, N. Y.	Anes., Int. Med., Ob.-Gyn., Ophth., Path., Ped., Rad., Surg.
Strong Memorial-Rochester Municipal Hospitals *	Rochester, N. Y.	Anes., Int. Med., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
St. Francis Sanatorium for Cardiac Children	Roslyn, L. I., N. Y.	Card. Dis.
U. S. Naval Hospital *	St. Albans, N. Y.	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Path., Rad., Surg., Thor. Surg., Urol.
Ellis Hospital *	Schenectady, N. Y.	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Psych., Rad., Surg.
Glenridge Sanatorium	Schenectady, N. Y.	Pul. Dis.
U. S. Public Health Service Hospital *	Stapleton (Staten Island), N. Y.	Anes., Derm. Syph., Int. Med., Ophth., Path., Rad., Surg., Urol.
St. Vincent's Hospital *	Staten Island, N. Y.	Ortho. Surg., Ped.
Sea View Hospital	Staten Island, N. Y.	Ophth., Ortho. Surg., Ped., Pul. Dis., Thor. Surg.
Staten Island Hospital *	Staten Island, N. Y.	Int. Med., Path.
Veterans Admin. Hospital	Sunmount, N. Y.	Pul. Dis., Thor. Surg.
General Hospital *	Syracuse, N. Y.	Ob.-Gyn.
St. Joseph's Hospital *	Syracuse, N. Y.	Ob.-Gyn., Path., Ped.
State University of New York Medical Center *	Syracuse, N. Y.	Anes., Int. Med., Ob.-Gyn., Ophth., Otol., Path., Ped., Plas. Surg., Rad., Surg.
Syracuse Psychopathic Hospital	Syracuse, N. Y.	Psych.
Letchworth Village	Thiells, N. Y.	Psych.
Samaritan Hospital *	Troy, N. Y.	Path.
Utica State Hospital	Utica, N. Y.	Path., Psych.
Grasslands Hospital *	Valhalla, N. Y.	Anes., Int. Med., Ophth., Path., Ped., Psych., Pul. Dis., Rad., Surg.
Pilgrim State Hospital	West Brentwood, N. Y.	Psych.
Rehabilitation Hospital	West Haverstraw, N. Y.	Ortho. Surg.
New York Hospital-Westchester Division	White Plains, N. Y.	Psych.
White Plains Hospital *	White Plains, N. Y.	Int. Med., Surg.
Willard State Hospital	Willard, N. Y.	Psych.
Harlem Valley State Hospital	Wingdale, N. Y.	Psych.
St. John's Riverside Hospital *	Yonkers, N. Y.	Path., Rad.
North Carolina Memorial Hospital *	Chapel Hill, N. C.	Anes., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg.
Charlotte Memorial Hospital *	Charlotte, N. C.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Thor. Surg., Urol.
Mercy Hospital *	Charlotte, N. C.	Gen'l Pract.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
Duke Hospital *	Durham, N. C.	Allergy, Anes., Card. Dis., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Lincoln Hospital *	Durham, N. C.	Ob.-Gyn., Surg.
McPherson Hospital	Durham, N. C.	Ophth., Otol.
Veterans Admin. Hospital	Durham, N. C.	Int. Med., Ortho. Surg., Path., Plas. Surg., Psych., Rad., Surg.
Watts Hospital *	Durham, N. C.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Urol.
North Carolina Orthopedic Hospital	Gastonia, N. C.	Ortho. Surg.
North Carolina Sanatorium for the Treatment of Tuberculosis	McCain, N. C.	Pul. Dis.
Veterans Admin. Hospital	Oteen, N. C.	Path., Pul. Dis., Thor. Surg.
Rex Hospital *	Raleigh, N. C.	Int. Med., Ob.-Gyn., Ped., Surg.
St. Agnes Hospital *	Raleigh, N. C.	Int. Med., Ob.-Gyn., Surg.
State Hospital	Raleigh, N. C.	Psych.
Babies Hospital	Wilmington, N. C.	Ped.
City Memorial Hospital *	Winston-Salem, N. C.	Gen'l Pract., Int. Med., Ob.-Gyn., Ped., Surg.
Kate Bitting Reynolds Memorial Hospital *	Winston-Salem, N. C.	Int. Med., Surg.
North Carolina Baptist Hospital *	Winston-Salem, N. C.	Anes., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Thor. Surg., Urol.
Bismarck Hospital	Bismarck, N. Dak.	Int. Med., Rad., Surg.
St. Luke's Hospital *	Fargo, N. Dak.	Int. Med., Ob.-Gyn., Surg.
Akron General Hospital *	Akron, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Children's Hospital	Akron, Ohio	Ortho. Surg., Ped., Surg.
City Hospital *	Akron, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg., Urol.
St. Thomas Hospital *	Akron, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Surg.
Veterans Admin. Hospital	Brecksville, Ohio	Pul. Dis.
Aultman Hospital *	Canton, Ohio	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Mercy Hospital *	Canton, Ohio	Anes., Gen'l Pract., Int. Med., Ob.-Gyn., Rad., Surg.
Windsor Hospital	Chagrin Falls, Ohio	Psych.
Bethesda Hospital *	Cincinnati	Int. Med., Ob.-Gyn., Path.
Children's Hospital	Cincinnati	Ortho. Surg., Ped., Surg.
Christ Hospital *	Cincinnati	Anes., Gen'l Pract., Int. Med., Neuro. Surg., Path., Psych., Surg.
Cincinnati General Hospital *	Cincinnati	Card. Dis., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Deaconess Hospital *	Cincinnati	Int. Med., Surg.
Good Samaritan Hospital *	Cincinnati	Gen'l Pract., Int. Med., Neuro. Surg., Path., Ped., Rad., Surg.
Jewish Hospital *	Cincinnati	Int. Med., Ortho. Surg., Path., Psych., Rad., Surg.
Longview State Hospital	Cincinnati	Psych.
St. Mary's Hospital *	Cincinnati	Int. Med., Surg.
City Hospital *	Cleveland	Anes., Con. Dis., Derm. Syph., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Path., Ped., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Cleveland Clinic Hospital	Cleveland	Anes., Card. Dis., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
Cleveland Receiving Hospital	Cleveland	Psych.
Evangelical Deaconess Hospital *	Cleveland	Ob.-Gyn., Surg.
Fairview Park Hospital *	Cleveland	Int. Med., Obst., Surg.
Lutheran Hospital *	Cleveland	Int. Med., Obst., Path., Rad., Surg.
Mount Sinai Hospital *	Cleveland	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg.
St. Alexis Hospital *	Cleveland	Int. Med., Ob.-Gyn., Surg.
St. Ann Hospital	Cleveland	Obst.
St. John's Hospital *	Cleveland	Int. Med., Ob.-Gyn., Surg.
St. Luke's Hospital *	Cleveland	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg.
St. Vincent Charity Hospital *	Cleveland	Int. Med., Path., Rad., Surg.
Sunny Acres, Cuyahoga County Tuberculosis Hospital	Cleveland	Pul. Dis., Thor. Surg.
University Hospitals *	Cleveland	Anes., Derm. Syph., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Cleveland	Int. Med., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Phys. Med., Psych., Rad., Surg., Thor. Surg., Urol.
Doctors Hospital *	Cleveland Heights	Gen'l Pract., Surg.
Benjamin Franklin Hospital	Columbus, Ohio	Pul. Dis., Thor. Surg.
Children's Hospital	Columbus, Ohio	Ortho. Surg., Path., Ped., Surg.
Columbus State Hospital	Columbus, Ohio	Psych.
Grant Hospital *	Columbus, Ohio	Path.
Mount Carmel Hospital *	Columbus, Ohio	Int. Med., Obst., Ortho. Surg., Surg.
Ohio State University Hospitals		
Columbus Receiving Hospital	Columbus, Ohio	Psych.
Ohio Tuberculosis Hospital	Columbus, Ohio	Pul. Dis., Thor. Surg.
University Hospital *	Columbus, Ohio	Anes., Card. Dis., Gastro., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Phys. Med., Plas. Surg., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
St. Ann Hospital for Women	Columbus, Ohio	Ob.-Gyn.
White Cross Hospital *	Columbus, Ohio	Card. Dis., Gen'l Pract., Int. Med., Neuro. Surg., Ob.-Gyn., Ortho. Surg., Path., Surg.
Good Samaritan Hospital *	Dayton, Ohio	Ob.-Gyn., Surg.
Miami Valley Hospital *	Dayton, Ohio	Int. Med., Obst., Path., Rad., Surg.
St. Elizabeth Hospital *	Dayton, Ohio	Rad., Surg.
Veterans Admin. Hospital	Dayton, Ohio	Int. Med., Path., Surg., Urol.
Huron Road Hospital *	East Cleveland, Ohio	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg., Urol.
Elyria Memorial Hospital and Gates Hospital for Crippled Children *	Elyria, Ohio	Ortho. Surg., Rad.
Euclid-Glenville Hospital *	Euclid, Ohio	Gen'l Pract.
Holzer Hospital	Gallipolis, Ohio	Surg.
Marymount Hospital *	Garfield Heights, Ohio	Anes., Int. Med., Ob.-Gyn., Surg.
Mercy Hospital *	Hamilton, Ohio	Path., Surg.
Lakewood Hospital *	Lakewood, Ohio	Int. Med., Ob.-Gyn., Surg.
Lima Memorial Hospital *	Lima, Ohio	Gen'l Pract.
St. Rita's Hospital *	Lima, Ohio	Gen'l Pract., Int. Med., Obst., Path., Surg.
Mansfield General Hospital	Mansfield, Ohio	Surg.
Massillon State Hospital	Massillon, Ohio	Psych.
Maumee Valley Hospital *	Toledo, Ohio	Int. Med., Obst., Surg.
Mercy Hospital *	Toledo, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
St. Vincent's Hospital *	Toledo, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg., Urol.
Toledo Hospital *	Toledo, Ohio	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Harding Sanitarium	Worthington, Ohio	Psych.
Mahoning County Tuberculosis Sanatorium	Youngstown, Ohio	Pul. Dis.
St. Elizabeth Hospital *	Youngstown, Ohio	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Youngstown Hospital *	Youngstown, Ohio	Anes., Gen'l Pract., Int. Med., Ortho. Surg., Proct., Rad., Surg.
Central Oklahoma State Hospital	Norman, Okla.	Psych.
Bone and Joint Hospital and McBride Clinic	Oklahoma City	Ortho. Surg.
St. Anthony Hospital *	Oklahoma City	Int. Med., Ob.-Gyn., Ortho. Surg., Surg.
University Hospitals *	Oklahoma City	Anes., Derm. Syph., Gen'l Pract., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Rad., Surg., Urol.
Veterans Admin. Hospital *	Oklahoma City	Int. Med., Ortho. Surg., Rad., Surg.
Wesley Hospital *	Oklahoma City	Int. Med., Ob.-Gyn., Rad., Surg.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
Hillcrest Medical Center *	Tulsa, Okla.	Path., Ped., Surg.
St. John's Hospital *	Tulsa, Okla.	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Emanuel Hospital *	Portland, Ore.	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Surg.
Good Samaritan Hospital *	Portland, Ore.	Int. Med., Path., Surg.
Providence Hospital *	Portland, Ore.	Int. Med., Path., Rad., Surg.
St. Vincent's Hospital *	Portland, Ore.	Int. Med., Obst., Path., Rad., Surg., Urol.
Shriners Hospital for Crippled Children	Portland, Ore.	Ortho. Surg.
University of Oregon Medical School Hospitals and Clinics *	Portland, Ore.	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Thor. Surg., Urol.
Veterans Admin. Hospital	Portland, Ore.	Int. Med., Ortho. Surg., Otol., Phys. Med., Rad., Surg., Urol.
Oregon State Hospital	Salem, Ore.	Psych.
Abington Memorial Hospital *	Abington, Pa.	Int. Med., Ob.-Gyn., Path., Ped., Psych., Rad., Surg.
Allentown Hospital *	Allentown, Pa.	Int. Med., Ob.-Gyn., Path., Plas. Surg., Proct., Rad., Surg., Urol.
Sacred Heart Hospital *	Allentown, Pa.	Int. Med., Path., Rad., Surg.
St. Luke's Hospital *	Bethlehem, Pa.	Gen'l Pract., Ob.-Gyn., Path., Surg.
Bradford Hospital	Bradford, Pa.	Gen'l Pract., Surg.
Bryn Mawr Hospital *	Bryn Mawr, Pa.	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Chester Hospital *	Chester, Pa.	Gen'l Pract., Path.
Veterans Admin. Hospital	Coatesville, Pa.	Psych.
Danville State Hospital	Danville, Pa.	Psych.
George F. Geisinger Memorial Hospital *	Danville, Pa.	Anes., Gen'l Pract., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Fitzgerald-Mercy Hospital *	Darby, Pa.	Gen'l Pract., Ob.-Gyn., Path., Rad.
Eagleville Sanatorium for Consumptives	Eagleville, Pa.	Pul. Dis.
Easton Hospital *	Easton, Pa.	Int. Med., Surg.
State Hospital for Crippled Children	Elizabethtown, Pa.	Ortho. Surg.
Embreeville State Hospital	Embreeville, Pa.	Psych.
Hamot Hospital *	Erie, Pa.	Int. Med., Ortho. Surg., Path., Surg.
St. Vincent's Hospital *	Erie, Pa.	Path., Rad., Surg., Urol.
Westmoreland Hospital *	Greensburg, Pa.	Int. Med.
Pennsylvania State Sanatorium for Tuberculosis	Hamburg, Pa.	Pul. Dis.
Harrisburg Hospital *	Harrisburg, Pa.	Int. Med., Ob.-Gyn., Surg.
Harrisburg Polyclinic Hospital *	Harrisburg, Pa.	Int. Med., Path., Ped., Surg.
Harrisburg State Hospital	Harrisburg, Pa.	Psych.
Hazleton State Hospital	Hazleton, Pa.	Surg.
Lancaster General Hospital *	Lancaster, Pa.	Path.
St. Joseph's Hospital *	Lancaster, Pa.	Gen'l Pract., Path., Surg.
Norristown State Hospital	Norristown, Pa.	Psych.
Sacred Heart Hospital *	Norristown, Pa.	Gen'l Pract.
Albert Einstein Medical Center Northern Division *	Philadelphia	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Albert Einstein Medical Center Southern Division *	Philadelphia	Anes., Int. Med., Ob.-Gyn., Path., Ped., Psych., Rad., Surg.
American Oncologic Hospital	Philadelphia	Mal. Dis., Rad.
Chestnut Hill Hospital *	Philadelphia	Ob.-Gyn., Rad.
Children's Hospital	Philadelphia	Ortho. Surg., Ped., Surg.
Doctors Hospital	Philadelphia	Surg.
Episcopal Hospital *	Philadelphia	Int. Med., Ob.-Gyn., Path., Rad., Surg., Thor. Surg., Urol.
Frankford Hospital *	Philadelphia	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Friends Hospital	Philadelphia	Psych.
Germantown Dispensary and Hospital *	Philadelphia	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Graduate Hospital of the University of Pennsylvania *	Philadelphia	Anes., Card. Dis., Derm. Syph., Gastro., Gyn., Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Hahnemann Medical College and Hospital *	Philadelphia	Anes., Derm. Syph., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Thor. Surg., Urol.
Hospital of the University of Pennsylvania *	Philadelphia	Anes., Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.
Hospital of the Women's College of Pennsylvania *	Philadelphia	Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Institute of the Pennsylvania Hospital	Philadelphia	Psych.
Jeanes Hospital	Philadelphia	Mal. Dis., Rad.
Jefferson Medical College Hospital *	Philadelphia	Derm. Syph., Gastro., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Lankenau Hospital *	Philadelphia	Int. Med., Obst., Path., Surg., Urol.
Methodist Episcopal Hospital *	Philadelphia	Int. Med., Ob.-Gyn., Surg.
Nazareth Hospital *	Philadelphia	Rad.
Pennsylvania Hospital *	Philadelphia	Anes., Card. Dis., Derm. Syph., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg., Urol.
Pennsylvania Hospital-Department for Mental and Nervous Diseases	Philadelphia	Psych.
Philadelphia General Hospital *	Philadelphia	Anes., Card. Dis., Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Rad., Surg., Thor. Surg., Urol.
Philadelphia General Hospital–Northern Division	Philadelphia	Con. Dis., Obst.
Philadelphia Psychiatric Hospital	Philadelphia	Psych.
Philadelphia State Hospital	Philadelphia	Psych.
Presbyterian Hospital *	Philadelphia	Anes., Int. Med., Ob.-Gyn., Path., Rad., Surg., Urol.
St. Christopher's Hospital for Children	Philadelphia	Ped.
St. Joseph's Hospital *	Philadelphia	Surg.
St. Luke's and Children's Medical Center	Philadelphia	Ped.
St. Mary's Hospital *	Philadelphia	Surg.
Shriners Hospital for Crippled Children	Philadelphia	Ortho. Surg.
Skin and Cancer Hospital	Philadelphia	Derm. Syph.
Temple University Hospital *	Philadelphia	Allergy, Anes., Card. Dis., Gastro., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Proct., Psych., Rad., Surg., Urol.
U. S. Naval Hospital *	Philadelphia	Derm. Syph., Int. Med., Neur., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Philadelphia	Derm. Syph., Int. Med., Ortho. Surg., Path., Phys. Med., Psych., Rad., Surg., Urol.
Wills Eye Hospital	Philadelphia	Ophth.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
Woman's Hospital *	Philadelphia	Int. Med., Ob.-Gyn., Surg.
Valley Forge Army Hospital *	Phoenixville, Pa.	Int. Med., Surg.
Allegheny General Hospital *	Pittsburgh	Anes., Int. Med., Ortho. Surg., Path., Ped., Rad., Surg.
Children's Hospital	Pittsburgh	Ortho. Surg., Path., Ped., Surg.
Elizabeth Steel Magee Hospital	Pittsburgh	Int. Med., Ob.-Gyn.
Eye and Ear Hospital	Pittsburgh	Ophth., Otol.
Mercy Hospital *	Pittsburgh	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Otol., Path., Rad., Surg., Urol.
Montefiore Hospital *	Pittsburgh	Allergy, Anes., Int. Med., Obst., Ophth., Path., Rad., Surg.
Pittsburgh Hospital *	Pittsburgh	Int. Med., Ob.-Gyn., Surg.
Pittsburgh Medical Center	Pittsburgh	Neuro. Surg., Rad., Urol.
Presbyterian Hospital *	Pittsburgh	Card. Dis., Int. Med., Neuro. Surg., Ortho. Surg., Path., Plas. Surg., Proct., Surg., Urol.
St. Francis General Hospital and Rehabilitation Institute *	Pittsburgh	Anes., Card. Dis., Int. Med., Neur., Ob.-Gyn., Ortho. Surg., Path., Psych., Rad., Surg.
St. John's General Hospital *	Pittsburgh	Gen'l Pract.
St. Margaret Memorial Hospital *	Pittsburgh	Int. Med., Ob.-Gyn., Path.
Shadyside Hospital *	Pittsburgh	Path.
South Side Hospital *	Pittsburgh	Ob.-Gyn., Path.
Tuberculosis League Hospital	Pittsburgh	Pul. Dis.
Veterans Admin. Hospital	Pittsburgh	Allergy, Int. Med., Neur., Ophth., Otol., Path., Phys. Med., Rad., Surg., Urol.
Western Pennsylvania Hospital *	Pittsburgh	Int. Med., Obst., Path., Ped., Rad., Surg.
Western State Psychiatric Institute and Clinic	Pittsburgh	Psych.
Community General Hospital *	Reading, Pa.	Gen'l Pract., Path.
Reading Hospital *	Reading, Pa.	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Rad., Surg.
St. Joseph's Hospital *	Reading, Pa.	Int. Med., Path., Rad., Surg.
Robert Packer Hospital *	Sayre, Pa.	Anes., Int. Med., Neuro. Surg., Ophth., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Scranton State Hospital *	Scranton, Pa.	Int. Med., Path.
Sharon General Hospital *	Sharon, Pa.	Gen'l Pract., Rad.
Mont Alto State Sanatorium (Pennsylvania State Sanatorium No. 1)	South Mountain, Pa.	Pul. Dis.
Warren State Hospital	Warren, Pa.	Psych.
Chester County Hospital *	West Chester, Pa.	Rad.
Mercy Hospital *	Wilkes-Barre, Pa.	Surg., Urol.
Wilkes-Barre General Hospital *	Wilkes-Barre, Pa.	Int. Med., Path., Urol.
Columbia Hospital *	Wilkinsburg, Pa.	Surg.
Williamsport Hospital *	Williamsport, Pa.	Path., Surg.
Woodville State Hospital	Woodville, Pa.	Psych.
York Hospital *	York, Pa.	Int. Med., Path., Surg.
State Hospital for Mental Diseases	Howard, R. I.	Psych.
Memorial Hospital *	Pawtucket, R. I.	Gen'l Pract.
Charles V. Chapin Hospital	Providence, R. I.	Ped., Psych.
Miriam Hospital *	Providence, R. I.	Anes.
Providence Lying-In Hospital	Providence, R. I.	Obst.
Rhode Island Hospital *	Providence, R. I.	Anes., Card. Dis., Int. Med., Gyn., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Roger Williams General Hospital *	Providence, R. I.	Rad.
Veterans Admin. Hospital	Providence, R. I.	Int. Med., Surg.
Emma Pendleton Bradley Home	Riverside, R. I.	Psych.
Roper Hospital *	Charleston, S. C.	Anes., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Rad., Surg., Urol.
Columbia Hospital *	Columbia, S. C.	Ob.-Gyn., Ortho. Surg., Ped., Rad., Surg.
Veterans Admin. Hospital	Columbia, S. C.	Int. Med., Ortho. Surg., Surg.
McLeod Infirmary *	Florence, S. C.	Ob.-Gyn.
Greenville General Hospital *	Greenville, S. C.	Gen'l Pract., Ob.-Gyn., Ortho. Surg., Path.
Shriners Hospital for Crippled Children	Greenville, S. C.	Ortho. Surg.
Orangeburg Regional Hospital *	Orangeburg, S. C.	Urol.
Spartanburg General Hospital *	Spartanburg, S. C.	Gen'l Pract., Rad.
Sacred Heart Hospital *	Yankton, S. Dak.	Gen'l Pract., Surg.
Baroness Erlanger Hospital *	Chattanooga, Tenn.	Anes., Int. Med., Obst., Ortho. Surg., Path., Rad., Surg.
Memorial Hospital	Chattanooga, Tenn.	Int. Med., Ob.-Gyn.
Newell Hospital	Chattanooga, Tenn.	Surg.
T. C. Thompson Children's Hospital	Chattanooga, Tenn.	Ped.
East Tennessee Baptist Hospital *	Knoxville, Tenn.	Path.
Knoxville General Hospital *	Knoxville, Tenn.	Ob.-Gyn.
St. Mary's Memorial Hospital *	Knoxville, Tenn.	Gen'l Pract., Int. Med., Ortho. Surg., Path., Surg.
Madison Rural Hospital and Sanitarium	Madison College, Tenn.	Gen'l Pract.
Baptist Memorial Hospital *	Memphis, Tenn.	Int. Med., Neuro. Surg., Ob.-Gyn., Path., Rad., Surg., Thor. Surg., Urol.
Campbell Clinic Hospital	Memphis, Tenn.	Ortho. Surg.
Gailor Memorial Psychiatric Hospital	Memphis, Tenn.	Psych.
John Gaston Hospital *	Memphis, Tenn.	Int. Med., Ob.-Gyn., Ophth., Otol., Path., Ped., Rad., Surg., Urol.
LeBonheur Children's Hospital	Memphis, Tenn.	Ped.
Memphis Eye, Ear, Nose and Throat Hospital	Memphis, Tenn.	Ophth.
Methodist Hospital *	Memphis, Tenn.	Path., Rad., Surg.
St. Joseph's Hospital *	Memphis, Tenn.	Int. Med., Ob.-Gyn., Path., Ped., Surg.
Veterans Admin. Hospital	Memphis, Tenn.	Gastro., Int. Med., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Phys. Med., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
West Tennessee Tuberculosis Hospital	Memphis, Tenn.	Thor. Surg.
Baptist Hospital *	Nashville, Tenn.	Int. Med., Ob.-Gyn., Ped., Surg.
George W. Hubbard Hospital of Meharry Medical College *	Nashville, Tenn.	Int. Med., Obst., Path., Ped., Rad., Surg.
Nashville General Hospital	Nashville, Tenn.	Path., Surg.

* Indicates hospitals approved for training interns.

Name of Hospital	Location	Approved Residencies
St. Thomas Hospital *	Nashville, Tenn.	Int. Med., Obst., Surg.
Vanderbilt University Hospital *	Nashville, Tenn.	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Nashville, Tenn.	Int. Med., Path., Psych., Rad., Surg.
Oak Ridge Institute of Nuclear Studies	Oak Ridge, Tenn.	Int. Med.
Oakville Memorial Sanatorium	Oakville, Tenn.	Pul. Dis.
Brackenridge Hospital *	Austin, Texas	Ob.-Gyn., Path., Rad., Surg.
Baylor University Hospital *	Dallas, Texas	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Plas. Surg., Proct., Rad., Surg., Thor. Surg.
Children's Medical Center *	Dallas, Texas	Ped.
Gaston Hospital	Dallas, Texas	Surg.
Methodist Hospital *	Dallas, Texas	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Parkland Memorial Hospital *	Dallas, Texas	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Psych., Rad., Surg., Urol.
St. Paul's Hospital *	Dallas, Texas	Int Med., Ob.-Gyn., Path., Ped., Rad.
Texas Scottish Rite Hospital for Crippled Children	Dallas, Texas	Ortho. Surg.
Timberlawn Sanitarium	Dallas, Texas	Psych.
Veterans Admin. Hospital *	Dallas, Texas	Int. Med., Ophth., Otol., Path., Rad., Surg., Urol.
Woodlawn Hospital	Dallas, Texas	Pul. Dis.
Hotel Dieu, Sisters Hospital *	El Paso, Texas	Ob.-Gyn.
William Beaumont Army Hospital *	El Paso, Texas	Surg.
All Saints Hospital	Fort Worth, Texas	Gen'l Pract.
Harris Hospital *	Fort Worth, Texas	Int. Med., Ob.-Gyn., Path., Surg.
John Peter Smith Hospital *	Fort Worth, Texas	Gen'l Pract.
St. Mary's Hospital	Galveston, Texas	Gen'l Pract.
University of Texas Medical Branch Hospitals *	Galveston, Texas	Anes., Card. Dis., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Psych., Rad., Surg., Thor. Surg., Urol.
Gonzales Warm Springs Foundation for Crippled Children	Gonzales, Texas	Phys. Med.
Hermann Hospital *	Houston, Texas	Anes., Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Jefferson Davis Hospital *	Houston, Texas	Derm. Syph., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Rad., Surg., Urol.
Methodist Hospital *	Houston, Texas	Int. Med., Neuro. Surg., Ob.-Gyn., Path., Rad., Surg.
St. Joseph's Hospital *	Houston, Texas	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Rad., Surg., Urol.
Southern Pacific Hospital	Houston, Texas	Surg.
University of Texas M. D. Anderson Hospital for Cancer Research	Houston, Texas	Gyn., Int. Med., Mal. Dis., Path., Rad., Surg.
Veterans Admin. Hospital *	Houston, Texas	Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Psych., Pul. Dis., Rad., Surg., Urol.
Nan Travis Memorial Hospital	Jacksonville, Texas	Gen'l Pract.
Veterans Admin. Hospital *	McKinney, Texas	Anes., Int. Med., Ophth., Otol., Ortho. Surg., Path., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Shannon West Texas Memorial Hospital	San Angelo, Texas	Anes., Gen'l Pract.
Baptist Memorial Hospital *	San Antonio, Texas	Anes., Gen'l Pract., Ob.-Gyn., Path., Rad., Surg.
Brooke Army Hospital *	San Antonio, Texas	Anes., Card. Dis., Derm. Syph., Gastro., Int. Med., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Phys. Med., Plas. Surg., Rad., Surg., Urol.
Robert B. Green Memorial Hospital *	San Antonio, Texas	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Santa Rosa Hospital *	San Antonio, Texas	Int. Med., Path., Ped., Rad.
U. S. Air Force Hospital	San Antonio, Texas	Anes., Ortho. Surg., Surg.
Kings Daughters Hospital *	Temple, Texas	Gen'l Pract.
Scott and White Memorial Hospital *	Temple, Texas	Anes., Int. Med., Ophth., Ortho. Surg., Rad.
Veterans Admin. Hospital	Waco, Texas	Psych.
U. S. Air Force Hospital	Wichita Falls, Texas	Surg.
Wichita General Hospital	Wichita Falls, Texas	Gen'l Pract.
St. Benedict's Hospital *	Ogden, Utah	Path.
Thomas D. Dee Memorial Hospital *	Ogden, Utah	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Surg.
Dr. W. H. Groves Latter-Day Saints Hospital *	Salt Lake City	Int. Med., Ob.-Gyn., Path., Rad., Surg., Thor. Surg.
Holy Cross Hospital *	Salt Lake City	Int. Med., Ob.-Gyn., Path., Rad., Surg.
Primary Children's Hospital	Salt Lake City	Ortho. Surg.
St. Mark's Hospital *	Salt Lake City	Rad., Surg.
Salt Lake County General Hospital *	Salt Lake City	Int. Med., Ob.-Gyn., Ortho. Surg., Path., Ped., Psych., Rad., Surg.
Shriners Hospital for Crippled Children	Salt Lake City	Ortho. Surg.
Veterans Admin. Hospital *	Salt Lake City	Int. Med., Neur., Ortho. Surg., Path., Psych., Rad., Surg.
Brattleboro Retreat	Brattleboro, Vt.	Psych.
Bishop DeGoesbriand Hospital *	Burlington, Vt.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg.
Mary Fletcher Hospital *	Burlington, Vt.	Anes., Int. Med., Ob.-Gyn., Path., Ped., Rad., Surg., Urol.
Vermont State Hospital	Waterbury, Vt.	Psych.
Veterans Admin. Hospital	White River Junction, Vt.	Anes., Int. Med., Neuro. Surg., Path., Plas. Surg., Rad., Surg., Urol.
Alexandria Hospital *	Alexandria, Va.	Int. Med., Ob.-Gyn., Surg.
Arlington Hospital	Arlington, Va.	Ob.-Gyn.
Blue Ridge Sanatorium	Charlottesville, Va.	Pul. Dis.
University of Virginia Hospital *	Charlottesville, Va.	Allergy, Derm. Syph., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Otol., Ortho. Surg., Path., Ped., Psych., Rad., Surg., Thor. Surg., Urol.
Chesapeake & Ohio Railway Employees Hospital *	Clifton Forge, Va.	Int. Med., Surg.
Memorial Hospital *	Danville, Va.	Path.
U. S. Army Hospital	Fort Belvoir, Va.	Surg.
Lynchburg General Hospital *	Lynchburg, Va.	Obst., Path., Surg.
Riverside Hospital *	Newport News, Va.	Gen'l Pract., Int. Med., Ob.-Gyn., Path.
De Paul Hospital *	Norfolk, Va.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Norfolk General Hospital *	Norfolk, Va.	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
U. S. Naval Hospital *	Portsmouth, Va.	Gen'l Pract., Int. Med., Ob.-Gyn., Ortho. Surg., Surg.
Crippled Children's Hospital	Richmond, Va.	Ortho. Surg.
Johnston-Willis Hospital *	Richmond, Va.	Int. Med., Obst., Surg.
Medical College of Virginia—Hospital Division *	Richmond, Va.	Allergy, Anes., Derm. Syph., Int. Med., Neuro. Surg., Obst., Ophth., Otol., Ortho. Surg., Path., Ped., Phys. Med., Psych., Rad., Surg., Urol.

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Name of Hospital	Location	Approved Residencies
Retreat for the Sick	Richmond, Va.	Gen'l Pract.
St. Elizabeth Hospital	Richmond, Va.	Surg.
Sheltering Arms Hospital	Richmond, Va.	Gen'l Pract.
Veterans Admin. Hospital	Richmond, Va.	Anes., Card. Dis., Gastro., Int. Med., Neur., Neuro. Surg., Ophth., Ortho. Surg., Path., Phys. Med., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Gill Memorial Eye, Ear and Throat Hospital	Roanoke, Va.	Ophth.
Jefferson Hospital *	Roanoke, Va.	Int. Med., Surg.
Lewis-Gale Hospital *	Roanoke, Va.	Int. Med., Surg.
Veterans Admin. Hospital	Roanoke, Va.	Psych.
Louise Obici Memorial Hospital *	Suffolk, Va.	Gen'l Pract.
Eastern State Hospital	Williamsburg, Va.	Psych.
Madigan Army Hospital *	Fort Lewis, Wash.	Int. Med., Surg.
Western State Hospital	Fort Steilacoom, Wash.	Psych.
Children's Orthopedic Hospital	Seattle	Ortho. Surg., Ped., Surg.
Doctors Hospital *	Seattle	Anes., Int. Med., Ob.-Gyn., Path., Surg.
Firland Sanatorium	Seattle	Pul. Dis., Thor. Surg.
King County Hospital Unit No. 1 (Harborview) *	Seattle	Anes., Int. Med., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Path., Ped., Surg., Urol.
Pinel Foundation	Seattle	Psych.
Providence Hospital *	Seattle	Gen'l Pract., Int. Med., Obst., Ortho. Surg., Path., Rad., Surg.
Swedish Hospital *	Seattle	Int. Med., Ob.-Gyn., Path., Rad., Surg.
U. S. Public Health Service Hospital *	Seattle	Int. Med., Ophth., Path., Surg.
Veterans Admin. Hospital *	Seattle	Int. Med., Path., Psych., Surg.
Virginia Mason Hospital *	Seattle	Anes., Int. Med., Obst., Rad., Surg.
Central Washington Tuberculosis Hospital	Selah, Wash.	Pul. Dis.
Deaconess Hospital *	Spokane, Wash.	Path.
Sacred Heart Hospital *	Spokane, Wash.	Gen'l Pract., Ob.-Gyn., Rad.
St. Luke's Hospital *	Spokane, Wash.	Ob.-Gyn., Path., Surg.
Shriners Hospital for Crippled Children	Spokane, Wash.	Ortho. Surg.
St. Joseph Hospital *	Tacoma, Wash.	Path.
Tacoma General Hospital *	Tacoma, Wash.	Anes., Path.
Beckley Hospital	Beckley, W. Va.	Surg.
Bluefield Sanitarium	Bluefield, W. Va.	Gen'l Pract.
Charleston General Hospital *	Charleston, W. Va.	Gen'l Pract., Int. Med., Path., Surg.
Kanawha Valley Hospital *	Charleston, W. Va.	Gen'l Pract.
Memorial Hospital *	Charleston, W. Va.	Gen'l Pract., Int. Med., Ob.-Gyn., Ped., Surg.
St. Mary's Hospital	Clarksburg, W. Va.	Path.
Chesapeake & Ohio Hospital	Huntington, W. Va.	Int. Med., Surg.
St. Mary's Hospital *	Huntington, W. Va.	Path., Rad., Surg.
Veterans Admin. Hospital	Martinsburg, W. Va.	Int. Med., Path., Rad., Surg.
Laird Memorial Hospital	Montgomery, W. Va.	Surg.
Camden-Clark Memorial Hospital *	Parkersburg, W. Va.	Gen'l Pract.
Broaddus Hospital	Philippi, W. Va.	Surg.
Ohio Valley General Hospital *	Wheeling, W. Va.	Anes., Gen'l Pract., Int. Med., Path., Surg.
Mercy Hospital *	Janesville, Wis.	Surg.
La Crosse Lutheran Hospital *	La Crosse, Wis.	Int. Med., Surg., Urol.
Madison General Hospital *	Madison, Wis.	Int. Med., Path., Rad., Surg., Urol.
Methodist Hospital *	Madison, Wis.	Rad., Surg.
St. Mary's Hospital *	Madison, Wis.	Int. Med.
University Hospitals *	Madison, Wis.	Anes., Derm. Syph., Int. Med., Neur., Neuro. Surg., Ob.-Gyn., Ophth., Ortho. Surg., Otol., Path., Ped., Plas. Surg., Psych., Rad., Surg., Urol.
Veterans Admin. Hospital	Madison, Wis.	Pul. Dis.
St. Joseph's Hospital *	Marshfield, Wis.	Int. Med.
Columbia Hospital *	Milwaukee	Int. Med., Obst., Ortho. Surg., Path., Rad., Surg.
Evangelical Deaconess Hospital *	Milwaukee	Gen'l Pract., Rad., Surg.
Milwaukee Children's Hospital *	Milwaukee	Ortho. Surg., Ped., Surg.
Milwaukee County Hospital *	Milwaukee	Int. Med., Ob.-Gyn., Ophth., Path., Ped., Proct., Rad., Surg., Urol.
Milwaukee County Hospital for Mental Diseases	Milwaukee	Psych.
Milwaukee Hospital *	Milwaukee	Gen'l Pract., Int. Med., Ob.-Gyn., Path., Rad., Surg.
Mount Sinai Hospital *	Milwaukee	Int. Med., Ob.-Gyn.
Muirdale Sanatorium	Milwaukee	Pul. Dis.
St. Joseph's Hospital *	Milwaukee	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Luke's Hospital *	Milwaukee	Int. Med., Ob.-Gyn., Path., Rad., Surg.
St. Mary's Hospital *	Milwaukee	Ob.-Gyn., Path.
St. Michael's Hospital *	Milwaukee	Gen'l Pract.
Veterans Admin. Hospital	Milwaukee (Wood)	Anes., Derm. Syph., Gastro., Int. Med., Ophth., Ortho. Surg., Otol., Path., Phys. Med., Psych., Pul. Dis., Rad., Surg., Thor. Surg., Urol.
Wisconsin State Sanatorium	Statesan, Wis.	Pul. Dis.
Milwaukee Sanatorium	Wauwatosa, Wis.	Psych.
Gorgas Hospital *	Ancon, C. Z.	Int. Med., Ob.-Gyn., Ophth., Path., Rad., Surg.
Kapiolani Maternity and Gynecological Hospital	Honolulu, T. H.	Ob.-Gyn.
Kauikeolani Children's Hospital	Honolulu, T. H.	Ped.
Leahi Hospital	Honolulu, T. H.	Pul. Dis., Thor. Surg.
Queen's Hospital *	Honolulu, T. H.	Int. Med., Ob.-Gyn., Path., Psych., Rad., Surg.
St. Francis Hospital *	Honolulu, T. H.	Ob.-Gyn.
Shriners Hospital for Crippled Children	Honolulu, T. H.	Ortho. Surg.
Tripler Army Hospital *	Honolulu, T. H.	Int. Med., Ob.-Gyn., Rad., Surg., Urol.
Territorial Hospital	Kanoehe, Oahu, T. H.	Psych.
Bayamon District Hospital *	Bayamon, P. R.	Int. Med., Ob.-Gyn., Path., Ped., Surg.
San Juan City Hospital *	San Juan, P. R.	Anes., Int. Med., Ob.-Gyn., Ophth., Path., Ped., Rad., Surg., Urol.
Veterans Admin. Hospital	San Juan, P. R.	Int. Med., Rad., Surg.

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ANNUAL REPORT ON INTERNSHIPS AND RESIDENCIES

The Council on Medical Education and Hospitals presents in this issue its 29th Annual Report on Internships and Residencies. The report is factual in nature and presents statistical data on the number of internships and residencies in hospitals throughout the country, as well as general information on committees active in the field of graduate education, on the National Intern Matching Program, and on other related subjects. The report is based on data supplied by 1,364 hospitals in the United States and its possessions in which approved training at the graduate level is being conducted. Some of the statistics presented are of particular interest, reflecting the extent to which graduate education has developed in this country. One such statistic is the total number of physicians serving as house staff members; there were, according to the report, 9,066 graduates serving internships as of September 1, 1954, and 20,494 serving as residents, or a total of 29,560. When one considers that this figure exceeds the number of students enrolled last year in all our medical schools, one can appreciate more clearly the magnitude of the growth of graduate training over the past 10 years. In terms of persons involved and of time spent, the graduate phase of medical education has now come to occupy a place comparable to that at the undergraduate level.

The percentages of positions filled last year increased for both internships and residencies. While the increase was small, 4% for internships and 1% for residencies, it did reverse the downward trend of the past several years. The report points out that the increase was due, in large part, to the greater number of graduates of foreign medical schools serving in approved hospitals. While their presence alleviates to some extent the demand for house staff appointees, it is apparent that in partially solving one problem on this basis, others have been created. The report notes that a Cooperating Committee on Evaluation of Graduates of Foreign Medical Schools has been established to consider these problems as they affect standards of medical education. The Council and the agencies with which it cooperates, as well as the medical staffs and administrative heads of the hospitals contributing to this annual report, are to be commended for making available to the profession and others interested in medical education, this comprehensive compilation of information on a phase of medical education that continues to grow in importance.

"FULL TRAINING" REQUIREMENT FOR RESIDENCY APPROVAL

In this issue (page 382) there are several announcements made regarding future policy relative to approval of residency training in four specialties. In all of these announcements, the same principle is applicable; i. e., hospitals, to qualify for continued approval, are required to provide "full training" in the specialty, either independently or in collaboration with other hospitals through integration of their programs. In considering this development, the history of the residency approval program, particularly during the past 10 years, is pertinent. Prior to 1945, there were about 5,000 residency positions available in approved hospitals throughout the country. This figure included appointments at all levels —first, second, and third year positions. In the immediate postwar period there was a tremendous demand for residency training, particularly from medical officers being released from military service. Hospitals that had been conducting residency training expanded their programs to take in additional residents, and many hospitals that had not previously attempted to train residents were encouraged to initiate such programs. As a result, the number of residencies increased at an unprecedented rate until now there are roughly five times as many residency positions available as there were 10 years ago.

In retrospect, the soundness of the overexpansion of training facilities can be questioned. At the time, however, the policy of encouraging the development of new programs and the enlargement of those already in existence was justifiable. Had this marked inflation of the residency system not taken place, a large number of applicants would have been denied additional training and would, perforce, have had to return to practice without the opportunity to enhance their professional knowledge and background in the field of their choice. There are those who take the position that many of the hospitals that entered the field of residency training during those years were not in a position to provide the type of training considered optimal. With this generality, one cannot perhaps quarrel. One may raise the question, however, as to whether the public interest was not better served under a program in which the maximum number of physicians received additional training in preparation for civilian practice than under a more restrictive policy through which a relatively limited number of physicians would have had the opportunity for a more intensive and perhaps higher quality of residency training.

In any event, a number of residencies were approved during the past 10 years for periods of training varying

from one to four years. Under policies that have been applicable in the past, a resident could take his training in two or three such separate programs and qualify for board examination in the specialty. A not too inaccurate analogy would be one in which a medical student would be able to qualify for his doctorate degree through having completed four successive years at the freshman level in four different medical schools. To obviate this possibility, and to assure that residents finish their training with some degree of continuity of supervision and of increasing, graded responsibility, a number of the committees responsible for evaluating and approving residency programs have adopted the policy that hospitals offering residencies in these specialties should provide full training for their residents either by developing independently a complete training program or by integrating their residency with one or more other hospitals that by combining their resources can provide full training in the specialty. The validity of this policy from an educational standpoint is difficult to refute. It will, of course, result in some hospitals having to discontinue their programs unless they can meet the requirement for complete training. In the interest of improving the standards of graduate medical education, however, and of the residents themselves, the policy as adopted by the residency review committee is eminently sound.

"ANNUAL" APPROVAL FOR RESIDENCY TRAINING

The number of hospitals approved for residency training has remained relatively constant for the past few years. There have been of course, some changes in the status of these institutions as new programs are approved and others are dropped from the list of recognized services. In the latter instance, there is quite apt to be a fairly strong reaction on the part of the medical staff and administration of the hospital concerned. One of the reasons for the protests that occasionally result when approval is terminated is the misconception that once approval is granted it is more or less permanent. In effect, approval of a residency program is granted on an annual basis through inclusion in the list of services that appears in the Internship and Residency issue of THE JOURNAL. Approval of a program is continued automatically until there is a change in the service such as the appointment of a new department head or until such time as the program is resurveyed. These surveys are made every two to three years and the findings referred to the appropriate reviewing committee. Their evaluation of the program is based on the report of inspection as developed by the staff representative of the Council and on the data submitted by the hospital. Continued approval is considered warranted only when it is evident that standards for training are being met. Approval is not continued, however, simply on the basis that the residency had been approved in the past.

A residency program should be constantly reappraised by the medical staff itself, if only to assure that the program's objectives are being met. Unless such periodic self-evaluations are made, it is quite likely that the program will deteriorate and on survey will be found to have deficiencies that may be considered serious enough to result in withdrawal of recognition. A fairly reliable, if somewhat homely guide in evaluating the adequacy of a program, is whether it is a service that one could recommend unqualifiedly to someone seeking one's best advice. If so, there need be little concern over continued approval of the program. If not, there is need for corrective action that might well be taken as a preventive measure prior to, rather than after, the evaluation of the approving committee. As in medicine, the ounce of prevention may well be worth the pound of cure.

BOSTON CLINICAL MEETING

The Clinical Meeting of the American Medical Association to be held in Boston, November 29 to December 2, 1955, marks the ninth assembly of this winter feature. Since its inauguration in Cleveland in January, 1948, the clinical meeting has developed a distinctive pattern and has become an outstanding contribution to graduate medical education. Predictions for the Boston meeting indicate one of the largest clinical meetings on record. The program will soon be ready for publication. Lectures and round-table discussions, arranged by the local committee in Boston and covering all phases of medicine, will be conducted in three lecture halls simultaneously and continuously, thus giving the visiting physician a varied group of subjects from which to choose. Color television, originating at New England Deaconess Hospital, will bring the operating room into the lecture hall. The local committee is arranging an outstanding program of both medical and surgical subjects. A carefully selected list of motion pictures, in some cases supplementing other features of the program, will be shown continuously, with many of the authors present to discuss their films. The Scientific Exhibit will be as attractive as ever, with outstanding authorities continuously available to answer questions and discuss problems with other physicians. Special mention should be made of the fracture exhibit and the manikin demonstrations on problems of delivery where experts will be available for consultation. The Technical Exposition, where all leading medical supply houses will be represented, will show visitors what is new in equipment, books, and pharmaceuticals. All scientific activities will be held in the Mechanics Building. This historic structure will fit the purposes of the meeting comfortably. The House of Delegates will be meeting meanwhile in the Statler Hotel. Boston is always interesting to visit, having many historic and modern attractions. Lexington and Concord are nearby. The program of this meeting, built against an absorbing background of medical history, will make the 1955 clinical meeting doubly worth while.

THE PRESIDENT'S PAGE

A MONTHLY MESSAGE

I am often told that the younger practitioners are more or less responsible for much of the dissatisfaction that exists in the minds of the public concerning medical fees. I also have heard many people say that the older physicians are more understanding when it comes to charges for medical services but that many of the younger men aspire too rapidly for financial success and security for themselves and their families. However, I am satisfied that the over-all attitude of the younger men is substantially good and that most of them only wish to be received and treated fairly in the communities where they have elected to settle and practice. It must be remembered that the average young physician has little chance to earn a living until his late 20's and early 30's. Let us for a moment look at his education and its cost. The average boy graduates from high school at about 18 years of age. The cost of four years of college and medical school is about $6,000 just for his education. This does not include his room and board nor his loss of earnings during this period of eight years. This alone would amount to approximately $24,000 for the period. The total cost then for an M.D. is approximately $38,000. Then at least one year's internship is necessary. Here for the first time he may receive a small remuneration. According to conservative estimates then the current cost of becoming a physician starting practice at age 30 is at least $52,000, and the physician will need $7,000 of gross fees every year for 35 years to amortize his investment. During the process of their academic education many of these young men acquire wives and one or more children, all of which add to their need for making a living as well as practicing a legitimate profession.

It is a difficult thing for me, after traveling the length and breadth of this grand country of ours, meeting actually thousands of these younger practitioners, to believe that their sole interest is money and that they have little or no regard for the financial and economic problems of their patients. However, there is another problem concerning these younger men that does disturb me a great deal. Let us now carry one of these younger men through a residency training program where he is fitting himself for a speciality. Here the problem becomes greatly complicated and much more difficult. After an internship the youthful physician, the wife and children in many instances, accepts a three or five year approved residency in one of the specialities. He may receive a small salary, but it is seldom sufficient. Certainly he does not in any sense earn enough to cover his expenses. Some speciality boards make him practice his speciality for a minimum of two years after completion of his residency. Attached to this obligation to make him eligible for his examinations is the penalty of forfeiting his right to take his boards if he practices anything but the specific speciality for which he has trained. In other words, he cannot, if preparing for his surgical boards, treat medical cases. If the young surgeon can associate himself with an older, well-established surgeon, his road to the examinations is relatively easy, but, if he elects solo practice, his road is hard and thorny unless he is personally well off financially. He finds that while he is excellently trained, patients of other established physicians are not going to rush to him for surgery. They look upon him as inexperienced, and he has a difficult time in getting established.

Since economic factors are very important, and the small family is hungry and no work shows up, he finds himself beset with many problems. The most important is—"Can I remain ethical and stick it out?" Of course I say he can, but some men so harassed are sorely tempted. The problem is simply an economic one. Fee splitting and other obnoxious procedures may become a great temptation. Strong must be the character of the specialist if he is to resist temptation. I am convinced that the majority of these men are of strong character. It takes at least two to make a bargain. There are many economic urges that could make the deal seem justifiable, but once the deal is made the die is cast for the future. I sometimes think that our specialty boards are too severe when they do not permit the young specialist to treat any patients except those that fall into his special field during these first trying years of practice. It is my opinion that a specialist is first a physician, and I am sure that, with the present demand for good physicians, these young specialists will be able to brave the economic storm and come up unscathed. Doctors have faced difficulties before and overcome them. They can do it again.

Youthful physician, youthful specialist, the future of medicine is in your hands. We believe in you.

ELMER HESS, M.D.,
Erie, Pa.

ORGANIZATION SECTION

FEDERAL MEDICAL LEGISLATION

First Session, 84th Congress

Disability Insurance for Employees in District of Columbia

Senators Case (R., N. J.), and Ives (R., N. Y.) have introduced S. 2753, the administration's proposal to establish a mandatory system of cash payments for temporary disability of workers in the District of Columbia. Disability is defined as "the inability of an individual as a result of his physical or mental illness, disease, or injury to perform his most recent, customary, or reasonably similar work," and would not be necessarily due to his employment. The benefits would be half of the individual's average wage, with a maximum of $36 and a minimum of $12, and could not be collected for more than 26 weeks within a 52 week period. The benefits would be financed by a payroll tax. The employee's contribution could not exceed 0.5% of his earning, or 30 cents per week, whichever is the lesser. Employers could use an insurance program or contract with an employee union or corporation for coverage. If the payroll is less than $20,000 annually the employers could use a special District of Columbia insurance fund for coverage. This bill was referred to the Committee on the District of Columbia.

Dependent Medical Care for the Military

Congressman Price (D., Ill.) by request has introduced a measure designed to set up a voluntary health insurance program for military dependents, with nonprofit plans (Blue Cross) to be used in every case where such service is available. The federal government would bear the full cost of the premium, and no charge could be made for costs in military facilities except for subsistence. This measure was referred to the Committee on Armed Services.

Hospital Reading Matter

Congresswoman Green (D., Ore.) proposes, in H. R. 7841, to authorize the Post Office Department to give "unclaimed or undeliverable books, newspapers, magazines, and other publications" to hospitals, asylums, or reformatory institutions. Delivery would be effected without cost to the United States. This bill was referred to Committee on Post Office and Civil Service.

Surplus Property for Hospitals, Clinics, and Health Centers

Congressman Ellsworth (R., Ore.), in H. R. 7425, would authorize donations from the general services of surplus property found usable and necessary for educational or Public Health purposes, including research, to nonprofit and tax-supported medical institutions, hospitals, clinics, health centers, and colleges. This measure was referred to the Committee on Government Operations.

Services to Aging

Senator Wiley (R., Wis.), in S. 2279, would authorize grants to states for planning and programs for services to the aging. This measure would authorize 2 million dollars for planning grants and 10 million dollars the next year for programs and such sums thereafter for three years as Congress desires. The program would be under the supervision of the Secretary of Health, Education, and Welfare, and would be administered in each state by a single agency. This bill was referred to the Committee on Finance.

Federal Scholarship Act

Congressman Multer (D., N. Y.), in H. R. 7846, would authorize loans to enable needy and scholastically qualified students to continue education after high school, including premedical. A federal trust fund would be established with 4 million dollars the first year and 10 million dollars the second. The program would be administered by the Commissioner of Education, who would select the students certified to him by the state agency. The state contribution would vary from 5% to 10% of the amount of the scholarships. This measure was referred to the Committee on Education and Labor.

Prepared by the Washington Office of the American Medical Association.

NEW TELEVISION AIDS

Two new television "scripts-with-film" programs featuring health education information on the eye and its functions will be released this fall by the A. M. A. Prepared with the cooperation of the A. M. A.'s Bureau of Health Education and the National Society for the Prevention of Blindness, these shows are designed so that a local physician can narrate while the film is thrown on the television screen. The programs are: (1) "A Clear Picture"—which deals with the eye and its functions and includes an animated sequence employing a fresh orange, a glass lens, and a piece of lipstick to show the structure of the eye; and (2) "Wonderful Spectacle"—which describes the functions of glasses and lenses. The programs are so constructed that they can be used as separate 15 minute programs or together as a single 30 minute presentation. The film demonstrator is Dr. Brittain F. Payne of New York City, an ophthalmologist. Films and accompanying scripts will be available about Sept. 15 through the A. M. A. TV Film Library. There is no charge to medical societies.

QUARTERLY CUMULATIVE INDEX MEDICUS

Volume 53 (Jan.-June 1953) of the Quarterly Cumulative Index Medicus is now available. Orders for copies should be addressed to the Order Department, 535 N. Dearborn St., Chicago 10, Ill.

COUNCIL ON MEDICAL EDUCATION AND HOSPITALS

POLICY RELATING TO APPROVAL OF RESIDENCY PROGRAMS

The Council on Medical Education and Hospitals wishes to make the following policy announcements relating to approval of residency programs. The statement on basic sciences in an approved surgical residency has been adopted by the Conference Committee on Graduate Training in Surgery, representing the Council, the American Board of Surgery and the American College of Surgeons. Statements regarding the discontinuance of approval for "partial" training in a number of the specialties have been adopted by the Residency Review committees for the specialties concerned. These committees represent the Council and the respective examining boards in approving residency programs. A similar announcement relating to residency programs in pediatrics appeared in the April 10, 1954, issue of THE JOURNAL (page 1303). Approval for residency training in anesthesiology, general surgery, otolaryngology, and plastic surgery, as well as in medical subspecialties, allergy, cardiovascular diseases, gastroenterology, and pulmonary diseases, has for some time been limited to hospitals offering full training, either independently or in collaboration with other hospitals.

STATEMENT ON BASIC SCIENCES IN AN APPROVED SURGICAL RESIDENCY

A fundamental concept of an approved residency in general surgery requires that the program provide for properly organized, integrated and progressively graded clinical training in the specialty. The Conference Committee on Graduate Training in Surgery interprets this concept as requiring a continuity of clinical experience under the supervision of the surgical staff of the hospital or hospitals in which such training is conducted. Accordingly, the Conference Committee while recognizing the value of formal courses in the basic sciences, will not accept these courses as part of a three or four year program, in lieu of clinical experience. When provision is made for the resident to attend such courses, they will be accepted by the American Board of Surgery as credit toward the practice requirement, in addition to an approved three year residency. An approved four year residency may include a research project or an assignment to a basic science department such as pathology, provided that this part of the program has been approved by the Conference Committee. The final year of a four year program, however, must be spent in clinical surgery in the parent institution. The above provisions will be considered effective on and after July 1, 1956, for all residencies in general surgery approved by the Conference Committee, representing the American Board of Surgery, the American College of Surgeons, and the Council on Medical Education and Hospitals of the American Medical Association.

RESIDENCY REVIEW COMMITTEE FOR ORTHOPEDIC SURGERY

At a recent meeting of the Residency Review Committee for Orthopedic Surgery, representing the American Board of Orthopedic Surgery and the Council on Medical Education and Hospitals, the Committee reviewed its policy relative to the approval of training programs of less than three years' duration, i. e., programs offering training in one or more but not all aspects of the specialty. It was the considered opinion of the Committee that hospitals should provide for an opportunity for full training, either intramurally or through affiliation in order to assure fully integrated educational experience with continuity of supervision of the resident staff. Accordingly, the Committee will have serious reservations about continuing approval of those programs offering "partial" training beyond June 30, 1956, unless the hospitals concerned can develop a complete residency training program to include adult orthopedic surgery, fractures, basic sciences, and, if possible, children's orthopedic surgery. This action is in accordance with the policy that has been announced for the past several years, encouraging the development of full three year programs in the listing of approved services in the Internship and Residency issue of THE JOURNAL, Sept. 25, 1954, page 375.

RESIDENCY REVIEW COMMITTEE FOR RADIOLOGY

At a recent meeting of the Residency Review Committee for Radiology, representing the American Board of Radiology and the Council on Medical Education and Hospitals, the following policy was adopted. 1. Effective immediately, hospitals and institutions making initial application for approval for residency training in radiology must qualify for full three year approval. No new residencies of one or two year duration will be approved unless they are integrated with or contributory to a fully approved program. 2. All hospitals and institutions approved for residency training in radiology are expected to develop programs offering complete training, either intramurally or through affiliation, by June 30, 1957. The Residency Review Committee representing the American Board of Radiology and the Council on Medical Education and Hospitals has been established to act in behalf of these two organizations in approving residency programs in this specialty. The present policy relating to future approval for full training only has been adopted to insure that residents receive integrated training with graded responsibility and continuity of supervision during their three year residency. The requirement of a fully organized program in qualifying for approval is in accord with sound educational principles as adopted in several other specialty fields. The Committee does not believe it to be in the interest of the resident that he be permitted to take a year or more of isolated training in two or three unrelated programs

in qualifying for board examination. The Committee has had the assurance of the board that residents who have accepted appointment to programs that are presently approved for less than three years will receive full credit for their training on the basis of the residency's present status, through June 30, 1957.

RESIDENCY REVIEW COMMITTEE FOR UROLOGY

At a recent meeting of the Residency Review Committee for Urology, the following policy was adopted. 1. Effective Oct. 1, 1955, hospitals making initial application for residency training in urology must qualify for three year approval (i. e., no new approvals for either one or two years will be granted). 2. Those hospitals now approved for residency training that are resurveyed after the above date must qualify for three year approval or lose their approved status. 3. All hospitals must have qualified for three year approval by July 1, 1957. Up to this date hospitals offering two year programs will have the opportunity to reorganize their programs and qualify for three year approval. Hospitals offering or that are able to offer only one year of training will have the opportunity to become affiliated with another institution that has a fully approved three year program. This committee with representatives from the American Board of Urology and the Council on Medical Education and Hospitals of the American Medical Association has been established to review and pass upon applications for approval of residency training in urology, acting in behalf of the two parent organizations. In adopting the present policy, the committee has had the assurance of the American Board of Urology that residents currently serving and residents appointed to begin their service on or before July 1, 1955, in such hospitals approved for one or two years will receive credit for such training even if the approval status of the program may be terminated at a time prior to completion of the academic year in which they are serving. The American Board of Urology will also continue to grant credit for training in hospitals presently approved at the one or two year level whose programs are not reevaluated on the basis of surveys during the residency year 1955-1956. This policy was adopted to insure that residents receive integrated training during their three year service, with graded responsibility and continuity of supervision. The requirement of a fully organized three year program is in accordance with the principle that has been adopted in other specialties of granting approval only on the basis of a fully organized program.

MEDICINE AND THE LAW

MEDICOLEGAL SYMPOSIUMS

Early in April the physicians and attorneys in Cortland County, New York, met together and heard a discussion by Albert Averbach, of the Seneca Falls, N. Y., Bar, on mutual problems, responsibilities, and attitudes. This experience, which was described in a recent letter from Mr. Averbach, is a relatively new and increasingly popular form of meeting that the Law Department feels is worthy of comment.

Last December Mr. George Hall, a staff member of the department, prepared an article for the *Illinois Bar Journal* with the optimistic title, "Let's Understand Each Other." In reference to meetings such as Mr. Averbach describes, the article states ". . . These meetings bring together the local lawyers and doctors for an evening of sociability and a discussion of some of their mutual problems. It would be a fine thing if such meetings could be held at least once a year in every county in the state. The result of these meetings is an understanding of each other's problems. Perhaps it would not furnish a witness for a particular case, but it will help each profession to respect the aims and attitudes of the other. . . . To the extent, also, that the attorney, by education, becomes aware of the physician's fears and problems, he will be able to approach the physician more tactfully and with better chance of success. If this article does nothing else, it is hoped that it may inspire the holding of medical society-bar association meetings at local level throughout the state. The results are sure to be gratifying to both professions and beneficial to patients and clients alike."

At about the same time another article appeared in the *New York State Journal of Medicine* under the title of "Doctors, Lawyers, and Injured Brains" in which Dr. Sands of Brooklyn, N. Y., said: "There should be mutual respect of physicians and lawyers for the responsibilities and attitudes of each other. This would prove a positive contributing factor to judicial verdicts. . . . Appreciation and respect of each others attitudes and responsibilities would contribute a better relationship between doctors and lawyers."

The American Medical Association has long been cognizant of the desirability of improving better professional relationships between physicians and attorneys. As early as 1944, its then Bureau of Legal Medicine and Legislation said in an annual report to the House of Delegates: "Periodic programs of this type, attended by members of the bar and by physicians, will result in a much needed diffusion of information in this important field." And in its final report last year, the Bureau said: "There seems to be evidenced a trend toward more frequent meetings of this sort. This is a healthy development that should be nurtured by medical and legal organizations." The trend referred to is not only apparent, it is real. The urgings of the American Medical Association, its Committee on Medicolegal Problems, and of others in this field are continually bearing more abundant fruit.

Since the creation of the Law Department last August, activity along this line has been intensified and staff members have participated in joint meetings at other places and most recently at Great Falls, Mont.; Appleton, Wis.; Dubuque, Iowa; Carbondale, Ill.; Oklahoma City; Minneapolis; Madison, Wis.; Springfield, Ill.; Toledo, Ohio; and Knoxville, Tenn.

What may well prove to be the A. M. A.'s most important contribution to date in the field of legal medicine is a series of Medicolegal Institutes that the Law Department and the Committee on Medicolegal Problems will sponsor next fall. Like the custom of prior years, the Committee on Legislation is planning six regional legislative meetings. Three of these meetings will be held on Saturdays in Chicago on Oct. 8, in Omaha on Oct. 15, and in New York City on Oct. 29. On the three Sundays that follow, Oct. 9, Oct. 16, and Oct. 30, the Law Department will sponsor all-day sessions, discussing various medicolegal problems of interest to, and open to, the physicians and attorneys in the particular area. Definite programs have not as yet been worked out, but the Law Department sincerely hopes and believes that these programs will be both interesting and informative.

The experience of the physicians and attorneys in Cortland County, New York, is being duplicated in many parts of the country. The snowball is growing larger. Physicians and attorneys will understand each other, they will improve their professional interrelationships, and society and the administration of justice will benefit from their efforts in this regard.

MEDICAL NEWS

CALIFORNIA

Course in Pathological Physiology.—University of California Extension in Los Angeles will open a course in pathological physiology to graduates of approved medical schools, Mondays, 7:30-9:30 p. m., Oct. 3-Dec. 19, in the third floor lecture room (33-103) of the University of California Medical Center, Los Angeles. The course is designed to aid practicing physicians in applying to clinical problems certain concepts relatively recently developed by the physiological sciences concerning the pathogenesis of disease. The effects of therapeutic procedures, particularly as they cast light on the physiological processes under discussion, will also be considered. Registration is limited. Requests for registration should be addressed to Dr. Thomas H. Sternberg, Assistant Dean for Postgraduate Medical Education, University of California Medical Center, Los Angeles 24.

ILLINOIS

Personal.—Dr. Milton A. Dushkin, assistant medical director, North Shore Health Resort, Winnetka, has been appointed psychiatric consultant on the staff of the Illinois State Office of Civil Defense.

Dr. Peterson Night.—Dr. Martin D. Peterson, Paxton, was honored recently when more than 125 persons attended a banquet in appreciation of his service to Paxton, where he has practiced for 38 years, and to Rankin, which he has served for 9 years. The Paxton Chamber of Commerce presented him with a plaque in commemoration of the event. Dr. Peterson has served as county physician for the past 15 years and city physician for the past 20 years.

Chicago

Volunteer Medical Company.—A meeting of the Volunteer Medical Company 9-20, U. S. Naval Reserve, will be held at the U. S. Veterans Research Hospital, Room A-302, 333 E. Huron St. (MOhawk 4-6600), at 8:15 p. m. Sept. 27. "Urological Complication of Gynecologic Surgery" will be presented by Dr. Alfred W. Kneucker, associate in surgery, Chicago Medical School.

Courses in Radiological Physics.—Courses in two new specialized fields created by the atomic age, health physics and radiological physics, will be offered by the University of Chicago School of Medicine, beginning Oct. 4. Both two year programs lead to the master's degree. The research institutes of the university have a battery of radiation-creating machines ranging from a 450 million volt synchrocyclotron to linear accelerators, betatrons, and other specialized devices. The Argonne Cancer Research Hospital, built on the Midway by the Atomic Energy Commission, and operated for it by the university, is specially designed for the medical use of all radioactive sources in investigation and treatment. The new courses will be given in the department of radiology of the university's medical center, under the supervision of Lester S. Skaggs, associate professor of medical physics. Physicists, biologists, and doctors will participate in the instruction. During the second year of the courses, students will be employed half-time either in the university's health physics service or in the department of radiology.

Research Building Dedicated.—The new seven-story Morton Medical Research Building on the Northwestern University Chicago campus will be dedicated at 10:30 a. m. Sept. 27, during the 98th Founders Day ceremonies commemorating the establishment of the medical school. The building was made possible by a bequest of 2 million dollars, left in his memory by the widow of Mr. Joy Morton. Their son, Sterling Morton, chairman of the board of the Morton Salt Co., will make the presentation speech. Physicians participating in the dedicatory ceremonies will include: J. Roscoe Miller, president of the university, Richard H. Young, dean of the medical school, and Smith Freeman, professor and chairman of biochemistry. The building (310 E. Superior St.) is connected to the Montgomery Ward Memorial Building, which houses the medical and dental schools. Its features include movable metal wall partitions, which can be set up at any 10 ft. interval within the building, allowing speedy conversion of laboratories to almost any size. The department of surgery will conduct its research on the top floor, which is connected with the department of anatomy in the Ward building. On the fifth and sixth floors the departments of pharmacology and obstetrics and gynecology are connected to the department of physiology and bacteriology in the Ward building. On the third and fourth floors of the Morton building is the department of medicine; those floors in the Ward building accommodate, in addition to other sections, the department of biochemistry and some of the Montgomery Ward clinics. On the second floor, opposite other of the Ward clinics, are the departments of radiology, urology, and orthopedic surgery and a special radioisotope laboratory. The first floor of the Morton building has facilities for the department of neurology and psychiatry and for clinical art and photography.

Morton Medical Research Building.

INDIANA

Course in Electrocardiography.—The staff of the Robert M. Moore Heart Clinic of Indianapolis General Hospital will give a course in electrocardiography beginning the first Thursday in October. The course, which will be open to all physicians in Indiana, will be held in the Lilly Auditorium at General Hospital 7:30-9 p. m. Further information may be obtained by writing to the Robert M. Moore Heart Clinic, Indianapolis General Hospital, Indianapolis 7.

Personal.—Dr. Raymond M. Rice, who has been affiliated with Eli Lilly and Company since 1936, has been named executive director of medical research. He has been associate director of research since 1951 and before that was director of the medical

Physicians are invited to send to this department items of news of general interest, for example, those relating to society activities, new hospitals, education, and public health. Programs should be received at least three weeks before the date of meeting.

division.——Dr. Frank G. Keller, who has practiced in Alexandria since Jan. 6, 1893, retired in July and will divide his time between Grosse Pointe, Mich., and Lexington, Ky., where his children live. All physicians in Alexandria joined other friends at a farewell dinner July 1.——Dr. Leon T. Bogmenko, a graduate of the Imperial University of Saratov, Russia, and a resident of the United States since 1922, has been named medical and clinical director of the Wabash Valley Sanitarium at Lafayette. Dr. Bogmenko has been affiliated with Cook County Hospital, Chicago, the U. S. War Department, and the Veterans Administration and has served as health officer with the army of occupation in Japan.——Dr. William H. Wood became clinical director of the Norways Foundation Hospital, Indianapolis, July 1.

LOUISIANA

Postgraduate Seminar.—The first annual postgraduate seminar, cosponsored by the Third District Medical Society of Louisiana and the Lafayette Parish Medical Society, will be presented at the Evangeline Hotel in Lafayette, Oct. 1, 9:30 a. m. The program includes the following presentations by guest speakers, all of New Orleans:

Philip M. Tiller, Hormones in General Practice.
Morris Shushan, Liver Disease in Ambulatory Patients.
Richard E. Fowler, Congenital Heart Disease.
Daniel W. Hayes, Problems in Control of Diabetes.
Walter R. Akenhead, Gastrointestinal Bleeding.
Charles J. Miangolarra, Treatment of Hyperthyroidism.
Milton L. McCall, Management of Toxemia of Pregnancy.
John Adriani, Nerve Block in Management of Labor.
George T. Mellinger, Recent Advances in Treatment of Prostatic Disease.
Irving Redler, Recent Advances in Treatment of Fractures.

The program will include lectures, a round-table luncheon, medical motion pictures, and scientific exhibits. An invitation is extended to all interested members of the medical profession. There will be no registration fee. For information write Dr. Arthur A. Stamler, Secretary-Treasurer, Third District Medical Society, 510 St. Landry St., Lafayette.

MICHIGAN

Medical Forums.—In cooperation with the *Detroit Free Press* the Wayne County Medical Society will present "Living with Cancer," the last of three medical forums, Sept. 26, 8:15 p. m., at the Rackham Memorial Auditorium, Detroit.

Personal.—Providence Hospital of Detroit has appointed Dr. Robert I. McClaughry, formerly assistant dean of the Wayne University College of Medicine, Detroit, as director of medical education.——Dr. Elwood A. Sharp, Detroit, director of clinical investigation for Parke, Davis & Company since 1929, has been promoted to medical assistant to the firm's president. Dr. Elmore C. Vonder Heide, associate director of the clinical investigation department, has been named successor to Dr. Sharp. Dr. Sharp served 13 years in the Medical Corps of the United States Navy. Dr. Vonder Heide is on the staff at Harper Hospital and also has been an instructor in internal medicine at Wayne University College of Medicine. He is a director of the Michigan Arthritis and Rheumatism Foundation and medical advisor to the Multiple Sclerosis Foundation.

NEBRASKA

Circuit Course.—The Nebraska State Medical Association will present its fifth traveling postgraduate circuit course in Scottsbluff, Sept. 26; North Platte, Sept. 27; Grand Island, Sept. 28; Norfolk, Sept. 29; Fremont, Sept. 30; and Nebraska City, Oct. 1. According to Dr. William E. Wright, Creighton, president of the association, a nationally known group of doctors will speak on heart, cancer, and tuberculosis. Co-sponsors of the series are the Nebraska Heart Association, Nebraska division of the American Cancer Society, and the Nebraska Tuberculosis Association. All meetings will start at 1 p. m., continue until the dinner hour, and conclude with an evening meeting.

NEW JERSEY

Pediatric Amputee Conference.—A Congenital Child Amputee Conference and Clinic will be held Oct. 1 at the Kessler Institute for Rehabilitation, Pleasant Valley Way, West Orange. "Congenital Malformations and General Principles of Rehabilitation of the Congenital Amputee" will be presented at 10 a. m. by Dr. Henry H. Kessler, medical director, Dr. Earl F. Hoerner, clinical director, and staff specialists. Motion picture films and demonstrations will precede the luncheon hour, and clinic and examination of congenital amputee children will follow it. Congenital amputee children may be medically referred for program and examination. The conference is open to doctors, nurses, limb makers, therapists, and other rehabilitation personnel without charge. Advance registration should be made by calling Miss Joyce M. Collins, ORange 3-6571.

NEW YORK

Research Institute Offers Postgraduate Meetings.—The Chronic Disease Research Institute of the University of Buffalo School of Medicine is sponsoring postgraduate educational meetings for physicians of the Buffalo area during the Fall-Winter season. The opening meeting, Sept. 12, was addressed by Dr. Haqvin Malmros, professor of medicine, University of Lund, in Sweden, whose subject was "The Treatment of Hypercholesterolemia." On Sept. 27, Dr. M. F. Oliver, professor of medicine at the Royal Infirmary in Edinburgh, Scotland, will discuss "Coronary Atherogenesis—An Endocrine Problem?" The meetings, conducted in cooperation with the postgraduate education department of the school of medicine and the Western New York State Heart Association, are presented at 8 p. m. at the University of Buffalo School of Medicine.

Annual District Meeting.—The eighth district branch of the Medical Society of the State of New York will hold its 50th annual scientific session and dinner meeting Sept. 28 at Hotel Niagara in Niagara Falls under the presidency of Dr. Sidney L. McLouth, Corfu. The following program will be presented:

Headache, Francis L. McNaughton, Montreal, Canada.
Recent Advances in Vascular Surgery, Jere W. Lord Jr., New York City.
Changing Aspects of Thyroid Disease, Laurence H. Kyle, Washington, D. C.

Addresses will be made at the dinner meeting by Dr. James Greenough, Oneonta, president-elect of the state medical society, and the guest speaker, Charles A. Brady, Buffalo, professor of English at Canisius College, Buffalo, and literary critic of *The Buffalo Evening News*, whose topic will be "The Physician as Seen in Literature."

Symposium—Emergencies in General Practice.—A symposium, "Emergencies in General Practice," will be presented by the Erie County chapter of the New York State Academy of General Practice and Lederle Laboratories of Pearl River, Oct. 1, at the Hotel Statler, Buffalo. Dr. William H. Merrilees, Lancaster, president of the Erie County chapter, has issued a cordial invitation to all members of the medical profession for Erie County. Dr. Theodore H. Noehren, Buffalo, will serve as moderator for the morning session:

Pediatric Emergencies, Edward Press, Chicago.
Plastic Surgical Principles in Farm, Traffic and Industrial Accidents, James B. Brown, St. Louis.
Modern Management of Common Cardiac Emergencies, William G. Leaman, Philadelphia.

Dr. Garra L. Lester of Chautauqua, president, New York State Academy of General Practice, will address the luncheon session, after which the following program will be offered:

Abdominal Emergencies, William R. McCarty, New York City.
Obstetrical and Gynecological Emergencies, Morris E. Davis, Chicago.
Diagnosis and Treatment of Atomic Injuries, Joe W. Howland, Rochester.

The American Academy of General Practice will allow six formal credit hours.

New York City

Management of Mass Casualties.—A symposium on the management of mass casualties will be presented at the New York Academy of Medicine (2 E. 103rd St.) Sept. 27, 7 p. m., by the academy and the U. S. Army Reserve units—1st Army area—with the cooperation of the Office of the Surgeon General, United States Army, and Army Medical Service Graduate School, Walter Reed Army Medical Center, Washington, D. C. The meeting, which will be cosponsored by the New York and

Brooklyn regional committee on trauma of the American College of Surgeons and by the medical schools of Greater New York, is open to the medical profession, public health officers, and civil defense workers. Major Gen. Silas B. Hays, M. C., U. S. Army, surgeon general, will serve as chairman for the following program:

Weapons' Effects and the Anticipated Medical Problems, Lieut. Col. James B. Hartgering, M.C., chief, department of biophysics, Army Medical Service Graduate School, Walter Reed Army Medical Center.
First Aid and Emergency Medical Care, Lieut. Col. Joseph D. Goldstein, M.C., chief, department of atomic casualties studies, Army Medical Service Graduate School, Walter Reed Army Medical Center.
Hospital Organization, Col. Byron L. Steger, M.C., director, Interagency Institutes for Federal Hospital Administrators, Armed Forces Institute of Pathology, Walter Reed Army Medical Center.
Management of Trauma, Col. Joseph R. Shaeffer, M.C., surgical consultant to the surgeon general, Office of the Surgeon General, department of the Army, Washington, D. C.
Psychological Considerations in Nuclear Warfare, Col. Albert J. Glass, M.C., deputy director, neuropsychiatry division, Army Medical Service Graduate School, Walter Reed Army Medical Center.

NORTH CAROLINA

Heart Symposium.—The Winston-Salem Heart Symposium, sponsored by the Heart Association of Winston-Salem and Forsyth County will be held at the Robert E. Lee Hotel, Winston-Salem, Sept. 30, 9 a. m.-9 p. m. Speakers will be Drs. Charles K. Friedberg, New York, Hugh H. Hussey, Washington, D. C., and Arthur J. Merrill, Atlanta, Ga.

Personal.—Dr. J. Lamar Callaway, Durham, recently made a special tour in the Alaskan Theater of Operations for the U. S. Air Force and Army, during which he also made ward rounds, consulted on special dermatological problems, and lectured to medical personnel. Dr. Callaway was recently elected president of the Society for Investigative Dermatology for 1955-56.—— Dr. Watson S. Rankin, Charlotte, trustee of the Duke Endowment, has been awarded the honorary degree of doctor of science by the University of North Carolina, Chapel Hill. Dr. Rankin has served as a member of the House of Delegates of the American Medical Association, a member of the Council on Health and Public Instruction, and Chairman of the Section on Preventive Medicine and Public Health. He has also been secretary and president of the Conference of State and Provincial Health Authorities of North America and president of the American Public Health Association.

OKLAHOMA

Society News.—Dr. Paul C. Williams, associate professor of orthopedic surgery, Southwestern Medical School of the University of Texas, Dallas, will address the Tulsa Academy of General Practice Sept. 26 at Hotel Tulsa on "Chronic Low Back Pain." Reservations for dinner, 6:30 p. m., may be made by calling LUther 2-5904. The program will be at 8 p. m. All physicians are invited.

SOUTH CAROLINA

Practitioners Meet in Columbia.—The South Carolina Academy of General Practice will hold its annual meeting at the Columbia Hotel in Columbia Sept. 27-28. The program includes presentations by Drs. John A. Prior, Columbus, Ohio, and Robert C. Major, Augusta, Ga.; a seminar on prematurity; and a discussion on office anesthesia and analgesia. An invitation is extended to all members of the South Carolina Medical Association.

TENNESSEE

Conferences on Scientific Fairs.—The Oak Ridge Institute of Nuclear Studies, which is conducting work conferences in cooperation with state academies of science, presented the first conference, the Florida Science Fair Work Conference, at the University of Florida, Gainesville, Aug. 25-26. Other conferences scheduled include: Georgia Work Conference on Science Fairs, University of Georgia, Athens, Sept. 30-Oct. 1; Texas Science Fair Work Conference, University of Texas, Austin, Oct. 6-8; West Virginia Science Fair Work Conference, Jackson's Mill, Weston, Oct. 30-Nov. 1; and North Carolina Science Fair Work Conference, North Carolina State Agricultural and Technical College, Greensboro, Nov. 18-19. The conferences are designed to give inspiration and instruction in the total aspects of science fairs as educational tools for the advancement of science. The conferees will be elementary and secondary school teachers, instructional supervisors, educational administrators, and representatives from institutions of higher learning, industry, and communication mediums.

State Association Revises Postgraduate System.—In changing the type of postgraduate instruction it has been offering for 20 years, the Tennessee State Medical Association will substitute a symposium-type program for its circuit rider course, under which a full-time specialist has traveled over the state presenting lectures in a medical specialty. According to Dr. Frank L. Roberts, associate dean of the University of Tennessee College of Medicine, Memphis, chairman of the symposium committee, the new program will be on a two year trial basis. This year, meetings will be held in 10 cities; next year, 30 meetings will be held. A panel of specialists will present programs designed for general practitioners. The new program, which will offer 12 hours of instruction a year, will be presented from 4 to 6 p. m. and from 7 to 9 p. m. In the middle section of Tennessee the program will be on rheumatic fever in four cities, with the first meeting scheduled for Sept. 28 in Shelbyville. In three cities in eastern Tennessee, beginning Oct. 25 at Cleveland, the program will be on jaundice. The program for western Tennessee (traumatic and emergency surgery) will be held in Jackson, Dec. 7, Dyersburg, Dec. 8, and Memphis, Dec. 9.

GENERAL

Campaign Against Mental Illness.—The National Association for Mental Health has received a $50,000 contribution from the Smith, Kline & French Laboratories, Philadelphia, to help launch, in October, a nationwide campaign to mobilize a "citizens' army against mental illness." A staff of field service experts will work with the association's 33 state member associations and 425 local affiliates.

Psychiatrists Meet at Tulsa.—The annual meeting of the Mid-Continent Psychiatric Association at Western Village Hotel, Tulsa, Okla., Sept. 23-25, has as visiting distinguished guest speakers: Drs. Arnold P. Friedman and Harvey J. Tompkins, New York; Dr. Gordon R. Kamman, St. Paul; Dr. Leslie B. Hohman, Durham, N. C.; Dr. E. Vernon Hahn, Indianapolis; Dr. Dexter M. Bullard, Rockville, Md.; Dr. Abe Hauser, Houston, Texas; Drs. Robert A. Schneider, John Gussen, and Stewart Wolf, Oklahoma City; Dr. Louis A. Schwartz, Detroit; and Dr. H. Holland DeJong, Osawatomie, Kan.

Midwest Regional Librarians.—The Midwest Regional Group of the Medical Library Association will hold its annual fall meeting Oct. 15 at Miles Laboratories in Elkhart, Ind. The program will include talks on phases of current medical research by doctors from the Miles Laboratories and from Notre Dame. After luncheon there will be a general session devoted to library problems, with a panel or symposium, "Temporary vs. Commercial Binding in the Small Library" and another, "Compiling and Using a Procedure Manual in Training New Employees." The chairman of the group is Otilia Goode, A. M. A. Library, Chicago.

Tri-State Medical Meeting.—The Tri-State Medical Society will meet Sept. 28-29 at the Grim Hotel, Texarkana, Ark.-Texas. The session will open Wednesday at 9 a. m. with movies from the American College of Surgeons, after which "The Gallbladder Problem" will be presented by Dr. Robert L. Sanders, Memphis, Tenn., president of the Southern Medical Association, and "Pathology of Gallbladder and Liver" by Dr. William R. Mathews, Shreveport, La. Luncheon will be followed by an address, "The Administration's Medical Program," by Robert L. King, executive assistant to the Vice-President of the United States. Dr. John C. Burch, Nashville, Tenn., president of the Southern Surgical Association, will consider "Indications for Hysterectomy" at 2 p. m. and Dr. Joseph W. Kelso, Oklahoma City, "Technique of Hysterectomy" at 3 p. m. The Tri-State Urologic Society, which will hold its meeting at 2 p. m. Wednesday, will have as guest speaker Dr. James H. DeWeerd, Rochester, Minn.

On Thursday morning Dr. Richard V. Ebert, Little Rock, Ark., will present "Advances in Prevention and Treatment of Heart Disease." The sessions will conclude with a clinicopathological conference, 11 a. m., by Dr. Mathews, with clinical discussion by Dr. Ebert. The meeting is approved for credit by the American Academy of General Practice. Skeet shooting is scheduled for either day of the meeting, and entries in the golf tournament may play on either day.

Prevalence of Poliomyelitis.—According to the National Office of Vital Statistics, the following number of reported cases of poliomyelitis occurred in the United States and its territories and possessions in the weeks ended as indicated:

Area	Sept. 3, 1955: Paralytic Type	Sept. 3, 1955: Total Cases Reported	Sept. 4, 1954, Total
New England States			
Maine	1	12	6
New Hampshire	..	18	6
Vermont	3	9	7
Massachusetts	128	317	72
Rhode Island	8	46	16
Connecticut	9	63	22
Middle Atlantic States			
New York	78	272	111
New Jersey	..	59	48
Pennsylvania	..	52	83
East North Central States			
Ohio	16	87	165
Indiana	10	33	35
Illinois	43	129	140
Michigan	31	123	117
Wisconsin	112	311	32
West North Central States			
Minnesota	17	41	54
Iowa	5	37	115
Missouri	5	18	46
North Dakota	..	4	8
South Dakota	..	5	5
Nebraska	No report received	No report received	38
Kansas	4	19	43
South Atlantic States			
Delaware	1	3	3
Maryland	7	15	18
District of Columbia	..	2	2
Virginia	7	10	30
West Virginia	6	13	27
North Carolina	3	27	39
South Carolina	7	13	18
Georgia	9	15	34
Florida	2	3	56
East South Central States			
Kentucky	5	14	55
Tennessee	4	10	30
Alabama	2	4	17
Mississippi	1	3	17
West South Central States			
Arkansas	2	6	19
Louisiana	8	8	22
Oklahoma	1	4	16
Texas	23	76	129
Mountain States			
Montana	No report received	No report received	7
Idaho	1	5	7
Wyoming	..	1	11
Colorado	8	21	27
New Mexico	4	6	14
Arizona	5	10	9
Utah	..	..	7
Nevada	..	4	8
Pacific States			
Washington	10	20	26
Oregon	15	22	16
California	33	63	268
Territories and Possessions			
Alaska	2	8	17
Hawaii	1	2	5
Puerto Rico	No report received	No report received	..
Total	637	2,043	2,123

Vermont-New Hampshire Medical Meeting.—The sixth annual combined meeting of the New Hampshire and Vermont state medical societies will convene at the Mount Washington Hotel, Bretton Woods, N. H., Sept. 29-Oct. 1. The following presentations will be made at the general session, Saturday, 2 p. m.:

Carcinoma of the Lung, Edward D. Churchill, Boston.

Retrolental Fibroplasia, Trygve Gundersen, Boston.

Is X-Ray Pelvimetry Feasible and Necessary for the General Practitioner Who is Doing Obstetrics?, Charles M. McLane, New York.

Use of Blood and Its Derivatives in General Practice, Sam T. Gibson, Washington, D. C.

Saturday morning the section on surgery will hear a paper by Dr. Ralph H. Adams, Wolfeboro, N. H., and a panel discussion, "The Surgery of Trauma," with Dr. Churchill as moderator. The section on internal medicine will have as guest speakers, Dr. William Dameshek, Boston, who will discuss "Bone Marrow Failure" and Dr. Sam T. Gibson, Washington, D. C., who will present "Diagnostic Problems in Anemia." Guest speakers at the eye, ear, nose, and throat meeting will be Dr. Gundersen, who will consider "Unusual Congenital Oculomotor Anomalies," and Dr. LeRoy A. Schall, Boston, whose topic will be "Cancer of the Larynx." Dr. James Townsend, chief medical officer, U. S. VA Center, White River Junction, Vt., will speak before the general practice meeting about "Diabetes: Pitfalls in the Management of 'Difficult' Cases."

Pediatricians Meet in Chicago.—The American Academy of Pediatrics will hold its 24th annual meeting at the Palmer House, Chicago, Oct. 1-6. Saturday and Sunday will be devoted to the presentation of 10 seminars. Twenty-two round-table discussions will be held from Monday afternoon through Wednesday morning. The general sessions will open Monday at 9:30 a. m. with a symposium on juvenile delinquency (Dr. Sherman Little, Buffalo, moderator). Dr. Harold E. Harrison, Baltimore, will serve as moderator for the Thursday morning symposium on endocrinology. Clinical sessions will be held Thursday afternoon at Children's Memorial Hospital; Children's Division, Cook County Hospital; Research and Educational Hospitals, University of Illinois; Bobs Roberts Memorial Hospital for Children, University of Chicago; and Sarah Morris Hospital for Children. Admission will be by ticket only ($1, including bus transportation to and from the hospital). The following alumni meetings and special events have been scheduled:

Monday luncheons—Buffalo Children's Hospital Alumni; Cook County Children's Hospital Alumni Group; Alumni of the Pediatric Department of the University of Cincinnati College of Medicine; Columbus Children's Hospital Alumni; and Alumni of the University of Rochester School of Medicine and Strong Memorial Hospital.

Monday dinners, 6:30 p. m.—Babies Hospital Alumni Association (New York) and Children's Memorial Hospital Alumni Banquet; evening meeting—Duke Pediatric Society.

Tuesday dinner and meeting—Children's Medical Center Alumni Group, Boston.

Thursday dinner—Bobs Roberts Memorial Hospital Alumni.

There will be a welcome hour (courtesy M & R Laboratories) Sunday, 6-7:30 p. m.; breakfast (courtesy Libby's Baby Foods) Tuesday, 7-9 a. m.; and reception and cocktail hour (courtesy Mead Johnson & Company) Wednesday, 6-7:30 p. m., preceding the banquet at 8 p. m.

EXAMINATIONS AND LICENSURE

BOARDS OF MEDICAL EXAMINERS

ALABAMA: *Examination.* Montgomery, June 19-21. Sec., Dr. D. G. Gill, State Office Bldg., Montgomery.

ARIZONA:* *Examination.* Phoenix, Oct. 12-14. *Reciprocity.* Phoenix, Oct. 15. Exec. Sec., Mr. Robert Carpenter, 411 Security Bldg., Phoenix.

ARKANSAS:* *Examination.* Little Rock, Nov. 10-11. Sec., Dr. Joe Verser, Harrisburg.

CALIFORNIA: *Written.* Sacramento, Oct. 17-20. *Oral and Clinical Examinations for Foreign Medical School Graduates.* San Francisco, Nov. 13. *Oral Examination for Reciprocity Applications.* San Francisco, Nov. 12. Sec., Dr. Louis E. Jones, Room 536, 1020 N St., Sacramento.

COLORADO:* *Examination.* Denver, Dec. 6-7. Final date for filing application is Nov. 4. *Reciprocity.* Denver, Oct. 11. Final date for filing application is Sept. 12. Exec. Sec., Mrs. Beulah H. Hudgens, 831 Republic Bldg., Denver 2.

CONNECTICUT:* *Regular. Examination.* Hartford, Nov. 8-10. Sec., Dr. Creighton Barker, 160 St. Ronan St., New Haven. *Homeopathic.* Derby, Nov. 8-19. Sec., Dr. Donald A. Davis, 38 Elizabeth St., Derby.

DELAWARE: *Examination.* Dover, Jan. 10-12. *Reciprocity.* Dover, Jan. 19. Sec., Dr. Joseph S. McDaniel, Dover.

FLORIDA:* *Examination.* Miami Beach, Nov. 20-21. Sec., Dr. Homer L. Pearson, 901 N. W. 17th St., Miami.

GEORGIA: *Examination.* Atlanta, Oct. 5-6. *Reciprocity.* Atlanta, Oct. 7. Sec., Mr. R. C. Coleman, 111 State Capitol, Atlanta.

IDAHO: *Examination and Reciprocity.* Boise, Jan. 9-11. Exec. Sec., Mr. Armand L. Bird, 364 Sonna Bldg., Boise.
ILLINOIS: *Examination and Reciprocity.* Chicago, Oct. 11-13. Supt. of Registration, Mr. Fredric B. Selcke, State House, Springfield.
INDIANA: *Examination.* Indianapolis, June. Exec. Sec., Miss Ruth V. Kirk, 538 K. of P. Bldg., Indianapolis.
KANSAS: *Examination and Endorsement.* Topeka, Dec. 7-8. Sec., Dr. Lyle F. Schmaus, New Brotherhood Bldg., Kansas City.
KENTUCKY: *Examination.* Louisville, Dec. 5-7. Asst. Sec., Mr. R. F. Dixon, 620 S. 3rd St., Louisville.
MAINE: *Examination and Reciprocity.* Portland, Nov. 8-9. Sec., Dr. Adam P. Leighton, Portland.
MARYLAND: *Examination.* Baltimore, Dec. 13-16. Exec. Sec., Miss Hannah A. McCarthy, 1215 Cathedral St., Baltimore 1.
MICHIGAN:* *Examination.* Lansing, Oct. 12-14. Sec., Dr. J. Earl McIntyre, 118 Stevens T. Mason Bldg., Lansing.
MINNESOTA:* *Examination and Reciprocity.* Minneapolis, Oct. 18-20. Sec., Dr. F. H. Magney, 230 Lowry Medical Arts Bldg., St. Paul 2.
MISSISSIPPI: *Reciprocity.* Jackson, December. Asst. Sec., Dr. R. N. Whitfield, State Board of Health, Jackson.
MISSOURI: *Examination and Endorsement.* St. Louis, Oct. 21-22. Exec. Sec., Mr. John A. Hailey, Box 4, State Capitol Bldg., Jefferson City.
MONTANA: *Examination and Reciprocity.* Helena, Oct. 4-5. Sec., Dr. Sidney A. Cooney, 7 West 6th Ave., Helena.
NEBRASKA:* *Examination.* Omaha, June 18-20. Director, Bureau of Examining Boards, Mr. Husted K. Watson, 1009 State Capitol Bldg., Lincoln.
NEVADA:* *Examination and Reciprocity.* Reno, Oct. 4. Sec., Dr. G. H. Ross, 112 North Curry St., Carson City.
NEW JERSEY: *Examination.* Trenton, Oct. 18-21. Sec., Dr. Patrick H. Corrigan, 28 W. State St., Trenton.
NEW MEXICO:* *Examination and Reciprocity.* Santa Fe, Nov. 21-22. Sec., Dr. R. C. Derbyshire, 227 E. Palace Ave., Santa Fe.
NEW YORK: *Examination.* Albany, Buffalo, New York City and Syracuse, Oct. 4-7. Sec., Dr. Stiles D. Ezell, 23 S. Pearl St., Albany.
NORTH CAROLINA: *Reciprocity.* Asheville, Oct. 31. Sec., Dr. Jos. J. Combs, 716 Professional Bldg., Raleigh.
NORTH DAKOTA: *Examination.* Grand Forks, Jan. 4-6. *Reciprocity.* Grand Forks, Jan. 7. Sec., Dr. C. J. Glaspel, Box 228, Grafton.
OHIO: *Reciprocity.* Columbus, Oct. 4. *Examination.* Columbus, Dec. 15-17. Sec., Dr. H. M. Platter, 21 W. Broad St., Columbus.
OREGON:* *Reciprocity.* Portland, Oct. 13-15. *Examination.* Portland, January. Sec., Mr. Howard I. Bobbitt, 609 Failing Bldg., Portland.
PENNSYLVANIA: *Examination.* Philadelphia, January. Acting Sec., Miss Marguerite G. Steiner, Box 911, Harrisburg.
RHODE ISLAND:* *Examination.* Providence, Oct. 6-7. Administrator of Professional Regulation, Mr. Thomas B. Casey, 366 State Office Bldg., Providence.
SOUTH CAROLINA: *Examination.* Columbia, Nov. 7. Sec., Mr. N. B. Heyward, 1329 Blanding St., Columbia.
SOUTH DAKOTA:* *Examination.* Sioux Falls, Jan. 17-18. Exec. Sec., Mr. John C. Foster, 300 First National Bank Bldg., Sioux Falls.
TENNESSEE:* *Examination.* Memphis, Sept. 28-29. Sec., Dr. H. W. Qualls, 1635 Exchange Bldg., Memphis.
TEXAS:* *Examination and Reciprocity.* Galveston, Dec. 1-3. Sec., Dr. M. H. Crabb, 1714 Medical Arts Bldg., Fort Worth 2.
VIRGINIA: *Examination.* Richmond, Dec. 7-9. *Reciprocity.* Richmond, Dec. 6. Final date for filing application is Nov. 21. Address the Secretary, 631 First St. S.W., Roanoke.
WEST VIRGINIA: *Reciprocity.* Charleston, Oct. 10. Sec., Dr. N. H. Dyer, Charleston 5.
WISCONSIN:* *Reciprocity.* Madison, Oct. 21. Sec., Dr. Thomas W. Tormey, Jr., 1140 State Office Bldg., Madison.
WYOMING: *Examination.* Cheyenne, Oct. 3. Sec., Dr. Franklin D. Yoder, State Office Bldg., Cheyenne.
ALASKA:* On application. Sec., Dr. W. M. Whitehead, 172 South Franklin St., Juneau.
GUAM: The Commission on Licensure will meet whenever a candidate appears or submits his credentials. Sec., Dr. John E. Kennedy, Agana.
HAWAII: *Examination.* Honolulu, Jan. 9-12. Sec., Dr. I. L. Tilden, 1020 Kapiolani, St., Honolulu.
VIRGIN ISLANDS: *Examination and Endorsement.* St. Thomas, Nov. 8-9. Sec., Dr. Earle M. Rice, St. Thomas.

BOARDS OF EXAMINERS IN THE BASIC SCIENCES

ARKANSAS: *Examination.* Little Rock, Oct. 4. Sec., Dr. S. C. Dellinger, Zoology Dept., University of Arkansas, Fayetteville.
CONNECTICUT: *Examination.* New Haven, Oct. 8. Address: State Board of Healing Arts, 258 Bradley St., New Haven 10.
DISTRICT OF COLUMBIA: *Examination.* Washington, Oct. 24-25. Deputy, Mr. Paul Foley, 1740 Massachusetts Ave., N.W., Washington 6.
FLORIDA: *Examination.* Gainesville, Nov. 5. Sec., Mr. M. W. Emmel, Box 340, Gainesville.
IOWA: *Examination.* Des Moines, Oct. 11. Sec., Mr. Ben H. Peterson, Coe College, Cedar Rapids.
MICHIGAN: *Examination and Endorsement.* Detroit and Ann Arbor, Oct. 14-15. Sec., Mrs. Anne Baker, 410 W. Michigan Ave., Lansing 15.
MINNESOTA: *Examination.* Minneapolis, Oct. 4-5. Sec., Mr. Raymond N. Bieter, 126 Millard Hall, University of Minnesota Campus, Minneapolis.
NEBRASKA: *Examination.* Omaha, Oct. 4-5. Director, Bureau of Examining Boards, Mr. Husted K. Watson, 1009 State Capitol Bldg., Lincoln.
NEVADA: *Examination.* Reno, Oct. 4. Sec., Dr. Donald G. Cooney, Box 9005, University of Nevada, Reno.
OREGON: *Examination.* Portland, Dec. 3. Sec., Mr. Charles D. Byrne, State Board of Higher Education, Eugene.
SOUTH DAKOTA: *Examination.* Vermillion, Dec. 2-3. Sec., Dr. Gregg M. Evans, 310 E. 15th St., Yankton.
TEXAS: *Examination.* Austin and Houston, Oct. 21-22. Sec., Brother Raphael Wilson, 407 Perry-Brooks Bldg., Austin.
ALASKA: On application. Juneau or other towns in Territory as decided by Board. *Reciprocity.* On application. Sec., Dr. C. Earl Albrecht, Box 1931, Juneau.

*Basic Science Certificate required.

MEETINGS

AMERICAN MEDICAL ASSOCIATION: Dr. George F. Lull, 535 North Dearborn St., Chicago 10, Secretary.

1955 Clinical Meeting, Boston, Nov. 29-Dec. 2.

1956 Annual Meeting, Chicago, June 11-15.

1956 Clinical Meeting, Seattle, Nov. 27-30.

1957 Annual Meeting, New York, June 3-7.

NATIONAL CONFERENCE ON PHYSICIANS AND SCHOOLS, Moraine-on-the-Lake Hotel, Highland Park, Ill., Oct. 12-14. Dr. W. W. Bauer, 535 N. Dearborn St., Chicago, Director.

ACADEMY OF PSYCHOSOMATIC MEDICINE, Hotel Plaza, New York, Oct. 6-8. Dr. Ethan Allan Brown, 75 Bay State Road, Boston 15, Secretary.
AMERICAN ACADEMY FOR CEREBRAL PALSY, Claridge Hotel, Memphis, Tenn., Oct. 10-12. Dr. Robert A. Knight, 869 Madison Ave., Memphis 3, Tenn., Secretary.
AMERICAN ACADEMY OF NEUROLOGICAL SURGERY, The Homestead, Hot Springs, Va., Oct. 27-29. Dr. Eben Alexander Jr., Bowman Gray School of Medicine, Winston-Salem, N. C., Secretary.
AMERICAN ACADEMY OF OPHTHALMOLOGY AND OTOLARYNGOLOGY, Palmer House, Chicago, Oct. 9-14. Dr. W. L. Benedict, 100 First Avenue Bldg., Rochester, Minn., Executive Secretary.
AMERICAN ACADEMY OF PEDIATRICS, Palmer House, Chicago, Oct. 3-6. Dr. E. H. Christopherson, 610 Church St., Evanston, Ill., Executive Secretary.
AMERICAN ASSOCIATION OF BLOOD BANKS, Palmer House, Chicago, Nov. 19-21. Miss Marjorie Saunders, 3707 Gaston Ave., Dallas 10, Texas, Secretary.
AMERICAN ASSOCIATION OF MEDICAL CLINICS, Curtis Hotel, Minneapolis, Nov. 4-6. Dr. Edwin P. Jordan, Box 58, Charlottesville, Va., Executive Director.
AMERICAN ASSOCIATION OF MEDICAL RECORD LIBRARIANS, LaSalle Hotel, Chicago, Oct. 3-7. Miss Doris Gleason, 510 N. Dearborn St., Chicago 10, Executive Director.
AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA, Drake Hotel, Chicago, Oct. 27-29. Dr. James K. Stack, 700 N. Michigan Blvd., Chicago 11, Secretary.
AMERICAN CLINICAL AND CLIMATOLOGICAL ASSOCIATION, The Homestead, Hot Springs, Va., Oct. 31-Nov. 2. Dr. M. N. Fulton, 124 Waterman St., Providence 6, R. I., Secretary.
AMERICAN COLLEGE OF ANESTHESIOLOGISTS, Hotel Statler, Boston, Nov. 4-5. Mr. John H. Hunt, 188 West Randolph St., Chicago 1, Executive Secretary.
AMERICAN COLLEGE OF CARDIOLOGY INTERIM MEETING, Hotel Claridge, Memphis, Tenn., Nov. 10-12. Dr. Philip Reichert, Empire State Bldg., New York 1, Secretary.
AMERICAN COLLEGE OF GASTROENTEROLOGY, Hotel Shoreland, Chicago, Oct. 24-26. Dr. Joseph Shaiken, 33 West 60th St., New York 23, Secretary.
AMERICAN COLLEGE OF SURGEONS, Conrad-Hilton Hotel, Chicago, Oct. 31-Nov. 4. Dr. Michael L. Mason, 40 East Erie St., Chicago 11, Secretary.
AMERICAN DENTAL ASSOCIATION, San Francisco, Oct. 17-20. Dr. Harold Hillenbrand, 222 East Superior St., Chicago 11, General Secretary.
AMERICAN HEART ASSOCIATION, Yung Hotel, New Orleans, Oct. 22-26. Mr. Irving Hexter, 44 East 23d St., New York 10, Secretary.
AMERICAN MEDICAL WOMEN'S ASSOCIATION, Board Meeting, Netherlands-Plaza Hotel, Cincinnati, Nov. 11-13. Miss Lillian T. Majally, 1790 Broadway, New York 19, Executive Secretary.
AMERICAN MEDICAL WRITERS' ASSOCIATION, Jefferson Hotel, St. Louis, Sept. 30-Oct. 1. Dr. Harold Swanberg, P.O. Drawer 110, Quincy, Ill., Secretary.
AMERICAN PUBLIC HEALTH ASSOCIATION, Muehlebach Hotel and Municipal Auditorium, Kansas City, Mo., Nov. 14-18. Dr. Reginald M. Atwater, 1790 Broadway, New York 19, Executive Secretary.
AMERICAN SCHOOL HEALTH ASSOCIATION, Hotel President, Kansas City, Mo., Nov. 14-18. Dr. A. O. DeWeese, 515 East Main St., Kent, Ohio, Secretary.
AMERICAN SOCIETY OF ANESTHESIOLOGISTS, Hotel Statler, Boston, Oct. 29-Nov. 3. Dr. J. Earl Remlinger Jr., Room 1101, 188 W. Randolph St., Chicago 1, Secretary.
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS, Drake Hotel, Chicago, Oct. 10-15. Dr. Clyde G. Culbertson, 1040-1232 West Michigan St., Indianapolis, Secretary.
AMERICAN SOCIETY OF PLASTIC AND RECONSTRUCTIVE SURGERY, Atlantic City, N. J., Sept. 25-30. Dr. Kenneth L. Pickrell, Duke Hospital Durham, N. C., Secretary.

AMERICAN SOCIETY FOR THE STUDY OF ARTERIOSCLEROSIS, Hotel Sheraton, Chicago, Nov. 6-7. Dr. O. J. Pollak, P.O. Box 228, Dover, Del., Secretary.

AMERICAN SOCIETY OF TROPICAL MEDICINE AND HYGIENE, Somerset Hotel, Boston, Nov. 2-5. Dr. John E. Larsh Jr., Dept. of Parasitology, School of Public Health, Chapel Hill, N. C., Secretary.

ASSOCIATION OF AMERICAN MEDICAL COLLEGES, New Ocean House, Swampscott, Mass., Oct. 24-26. Dr. Dean F. Smiley, 185 N. Wabash Ave., Chicago 1, Secretary.

ASSOCIATION OF AMERICAN PHYSICIANS AND SURGEONS, Chicago, Oct. 7-8. Mr. Harry E. Northam, 185 N. Wabash Ave., Chicago 1, Executive Secretary.

ASSOCIATION OF LIFE INSURANCE MEDICAL DIRECTORS OF AMERICA, Hotel Statler, New York, Oct. 19-21. Dr. Henry B. Kirkland, P. O. Box 594, Newark, N. J., Secretary.

ASSOCIATION OF MEDICAL ILLUSTRATORS, Hotel Barbizon Plaza, New York, Oct. 1-3. Miss Rose M. Reynolds, Univ. of Nebraska College of Medicine, Omaha 5, Neb., Corresponding Secretary.

ASSOCIATION OF MILITARY SURGEONS OF THE U. S., Hotel Statler, Washington, D. C., Nov. 7-9. Colonel Robert E. Bitner, 1726 I St. N.W., Washington 6, D. C., Secretary.

ASSOCIATION OF STATE AND TERRITORIAL HEALTH OFFICERS, Hotel Washington, Washington, D. C., Nov. 6-12. Dr. Franklin D. Yoder, State Board of Health, Cheyenne, Wyo., Secretary.

CENTRAL ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS, Deshler-Hilton Hotel, Columbus, Ohio, Oct. 5-8. Dr. Edwin J. DeCosta, Suite 602, 116 S. Michigan Ave., Chicago 3, Secretary.

CENTRAL NEUROPSYCHIATRIC ASSOCIATION, The Broadmoor, Colorado Springs, Colo., Oct. 20-22. Dr. Hamilton Ford, 112 North Boulevard, Galveston, Tex., Secretary.

CENTRAL SOCIETY FOR CLINICAL RESEARCH, Drake Hotel, Chicago, Nov. 4-5. Dr. Robert H. Ebert, 950 East 59th St., Chicago 37, Secretary.

CLINICAL ORTHOPAEDIC SOCIETY, Skirvin Hotel, Oklahoma City, Sept. 30-Oct. 1. Dr. Marcus J. Stewart, 869 Madison Ave., Memphis, Tenn., Executive Secretary.

COLLEGE OF AMERICAN PATHOLOGISTS, Drake Hotel, Chicago, Oct. 10-15. Dr. Arthur H. Dearing, 203 N. Wabash Ave., Chicago 1, Executive Secretary.

CONGRESS OF NEUROLOGICAL SURGEONS, Hotel Statler, Los Angeles, Oct. 27-29. Dr. Philip D. Gordy, 1007 Delaware Ave., Wilmington, Del., Secretary.

DELAWARE, MEDICAL SOCIETY OF, Delaware Academy of Medicine, Wilmington, Oct. 17-18. Dr. Norman L. Cannon, 621 Delaware Ave., Wilmington, Secretary.

DISTRICT OF COLUMBIA, MEDICAL SOCIETY OF THE, Hotel Statler, Washington, D. C., Oct. 10-12. Mr. Theodore Wiprud, 1718 M St., N.W., Washington 6, D. C., Executive Director.

GERONTOLOGICAL SOCIETY, Sheraton-Belvedere Hotel, Baltimore, Oct. 27-29. Dr. Nathan W. Shock, Baltimore City Hospitals, Baltimore 24, Secretary.

GULF COAST CLINICAL SOCIETY, Pensacola, Fla., Oct. 27-28. Dr. Barkley Beidleman, 1750 N. Palafox St., Pensacola, Fla., Secretary.

INDIANA STATE MEDICAL ASSOCIATION, French Lick Springs Hotel, French Lick, Oct. 16-19. Mr. James A. Waggener, 23 East Ohio St., Indianapolis 4, Executive Secretary.

INTER-SOCIETY CYTOLOGY COUNCIL, Statler Hotel, Cleveland, Nov. 11-12. Dr. Paul F. Fletcher, 634 N. Grand Blvd., St. Louis 3, Secretary.

INTERSTATE POST GRADUATE MEDICAL ASSOCIATION OF NORTH AMERICA, Municipal Auditorium, Milwaukee, Nov. 14-17. Mr. Roy T. Ragatz, 207 Gay Bldg., Madison 3, Wis., Executive Director.

KANSAS CITY SOUTHWEST CLINICAL SOCIETY, Municipal Auditorium, Kansas City, Mo., Oct. 3-6. Dr. W. M. Kitchen, 306 E. Twelfth St., Kansas City 6e, Mo., Secretary.

KENTUCKY STATE MEDICAL ASSOCIATION, Louisville, Sept. 27-29. Mr. J. P. Sanford, 620 S. Third St., Louisville, Executive Secretary.

MICHIGAN STATE MEDICAL SOCIETY, Pantlind Hotel, Grand Rapids, Sept. 26-30. Dr. L. Fernald Foster, 606 Townsend St., Lansing 5, Secretary.

MIDWEST CONFERENCE ON RHEUMATIC DISEASES, Henry Ford Hospital, Detroit, Oct. 5. Dr. J. J. Lightbody, 7338 Woodward Ave., Detroit 2, Medical Director.

MIDWESTERN SECTION OF AMERICAN FEDERATION FOR CLINICAL RESEARCH, Thorne Hall, Northwestern University, and Drake Hotel, Chicago, Nov. 3. Dr. Robert J. Glaser, Barnes Hospital, St. Louis 10, Secretary.

MISSISSIPPI VALLEY MEDICAL SOCIETY, Jefferson Hotel, St. Louis, Sept. 28-30. Dr. Harold Swanberg, 510 Maine St., Quincy, Ill., Secretary.

MISSISSIPPI VALLEY TRUDEAU SOCIETY, Hotel Savery, Des Moines, Iowa, Oct. 14. Dr. Harold G. Curtis, Sunny Acres, Cuyahoga County Tuberculosis Hospital, Cleveland 22, Chairman, Program Committee.

NATIONAL ASSOCIATION FOR MENTAL HEALTH, Indianapolis, Nov. 4-6. Mr. Robert M. Heininger, 1790 Broadway, New York 19, Director.

NEW HAMPSHIRE MEDICAL SOCIETY, Mt. Washington Hotel, Bretton Woods, Sept. 29-Oct. 1. Dr. Warren H. Butterfield, 18 School St., Concord, Secretary.

OKLAHOMA CITY CLINICAL SOCIETY CONFERENCE, Oklahoma City, Oct. 24-27. Dr. Charles E. Leonard, 512 Medical Arts Bldg., Oklahoma City 2, Secretary.

OMAHA MID-WEST CLINICAL SOCIETY, Hotel Paxton, Omaha, Oct. 24-27. Mrs. Anne K. Ramsey, 1031 Medical Arts Bldg., Omaha 2, Executive Secretary.

OREGON STATE MEDICAL SOCIETY, Hotel Heathman, Portland, Sept. 28-Oct. 1. Dr. Richard R. Carter, 1020 S.W. Taylor St., Portland 5, Secretary.

POSTGRADUATE ASSEMBLY IN ENDOCRINOLOGY AND METABOLISM, Indianapolis, Sept. 26-Oct. 1. Dr. John J. Mahoney, Assistant Dean, Indiana University School of Medicine, 1040 W. Michigan St., Indianapolis 7.

REGIONAL MEETINGS, AMERICAN COLLEGE OF PHYSICIANS:

Billings, Mont., Oct. 7-8. Dr. Harold W. Gregg, 103 North Wyoming St., Butte, Governor.

Charleston, S. C., Oct. 7-8. Dr. Robert Wilson, 165 Rutledge Ave., Charleston, S. C., Governor.

Buffalo, N. Y., Oct. 14. Dr. John H. Talbot, 100 High St., Buffalo 3, N. Y., Governor.

Madison, Wis., Oct. 15. Dr. Frederick W. Madison, 425 East Wisconsin Ave., Milwaukee 2, Governor.

Louisville, Ky., Nov. 5. Dr. Sam A. Overstreet, 332 West Broadway, Louisville, Ky., Governor.

Newark, N. J., Nov. 9. Dr. Edward C. Klein Jr., 6 S. Kingsman Rd., South Orange, N. J., Governor.

SOCIETY OF CLINICAL SURGERY, Hotel Roosevelt, New Orleans, Nov. 11-12. Dr. Frank F. Allbritten Jr., University of Kansas Medical Center, Kansas City, Mo., Secretary.

SOUTHERN MEDICAL ASSOCIATION, Shamrock Hotel, Houston, Texas, Nov. 14-17. Mr. V. O. Foster, 1020 Empire Bldg., Birmingham 3, Ala., Secretary-Manager.

SOUTHERN SOCIETY OF CANCER CYTOLOGY, Houston, Texas, Nov. 14-17. Dr. J. Ernest Ayre, 1155 N.W. 14th St., Miami, Fla., Secretary.

SOUTHWESTERN MEDICAL ASSOCIATION, Phoenix, Ariz., Nov. 16-18. Dr. Celso C. Stapp, 800 Montana St., El Paso, Texas, Secretary.

STATE MEDICAL JOURNAL CONFERENCE, Chicago, Nov. 7-8. Mr. Alfred J. Jackson, 535 N. Dearborn St., Chicago 10, Director.

TENNESSEE VALLEY MEDICAL ASSEMBLY, Read House, Chattanooga, Tenn., Oct. 3-4. Dr. Harry E. Jones, 109 Medical Arts Bldg., Chattanooga 2, Tenn., Secretary.

THE CONSTANTINIAN SOCIETY, Sheraton-Park Hotel, Washington, D. C., Oct. 26-29. Dr. C. F. Shook, P. O. Box 1035-36, Toledo 1, Ohio, Secretary.

TRI-STATE MEDICAL SOCIETY, Grim Hotel, Texarkana, Tex., Sept. 28-29. Dr. Karlton H. Kemp, 408 Hazel St., Texarkana, Ark., Secretary.

VERMONT STATE MEDICAL SOCIETY, Mt. Washington Hotel, Bretton Woods, N. H., Sept. 29-Oct. 1. Dr. James P. Hammond, 337 South St., Bennington, Secretary.

VIRGINIA, MEDICAL SOCIETY OF, Hotel Jefferson, Richmond, Oct. 16-19. Mr. Robert I. Howard, 105 West Franklin St., Richmond, Executive Secretary.

WESTERN ORTHOPEDIC ASSOCIATION, The Reef, Honolulu, Hawaii, Nov. 7-10. Dr. Ivar J. Larsen, 1133 Punchbowl, Honolulu 13, Hawaii, Secretary.

WESTERN SOCIETY OF ELECTRO-ENCEPHALOGRAPHY, Westward Ho Hotel, Phoenix, Ariz., Nov. 10-12. Dr. Sylvester N. Berens, 902 Boren Ave., Seattle, Secretary.

FOREIGN AND INTERNATIONAL

CANADIAN SOCIETY FOR THE STUDY OF FERTILITY, Royal York Hotel, Toronto, Ont., Canada, Oct. 6-8. Dr. Earl R. Plunkett, 469 Waterloo St., London, Ont., Canada, Secretary.

CONFERENCE OF INTERNATIONAL UNION FOR HEALTH EDUCATION OF THE PUBLIC, Rome, Italy, Apr. 27-May 5, 1956. Mr. Lucien Viborel, 92 rue St. Denis, Paris 1er, France, Secretary-General.

CONGRESS OF INTERNATIONAL ASSOCIATION OF LIMNOLOGY, Helsinki, Finland, July 26-Aug. 7, 1956. For information address: Dr. H. Luther, Snellmansgatan 16 C 36, Helsinki, Finland.

CONGRESS OF INTERNATIONAL ASSOCIATION OF LOGOPEDICS AND PHONIATRICS, Barcelona, Spain, Sept. 3-7, 1956. Dr. J. Perello, Provenza 319, Barcelona 9, Spain, Secretary-General.

CONGRESS OF INTERNATIONAL SOCIETY OF HEMATOLOGY, Hotel Statler, Boston, Mass., U.S.A., Sept. 3-8, 1956. Dr. W. C. Moloney, 39 Bay State Road, Boston, Mass., U.S.A., Secretary.

CONGRESS OF INTERNATIONAL SOCIETY FOR RESEARCH ON ANESTHESIA, Miami Beach, Fla., U.S.A., Mar. 12-15, 1956. For information write: Dr. R. J. Whitacre, 13951 Terrace Road, Cleveland 12, Ohio, U. S. A.

CONGRESS OF INTERNATIONAL UNION AGAINST VENEREAL DISEASES, Naples, Italy, Sept. 25-28. For information address: Prof. Monacelli, University of Naples, Dept. of Dermatology, Naples, Italy.

CONGRESS OF LATIN SOCIETY OF OPHTHALMOLOGY, Madrid, Spain, April 24-28, 1956. For information address: Dr. Costi, Montalban 3, Madrid, Spain.

EUROPEAN CONGRESS OF ALLERGOLOGY, Florence, Italy, May 1956. Prof. Umberto Serafini, Largo della Gancia 5, Rome, Italy, Secretary-General.

EUROPEAN SYMPOSIUM ON VITAMIN B_{12}, Hamburg, Germany, May 1956. For information write: Doz. Dr. H. Bauer, Nervenklinik, Hamburg-Eppendorf, Germany.

INTERNATIONAL ACADEMY OF LEGAL AND SOCIAL MEDICINE, Plenary Conference, Genoa, Italy, Oct. 13-17. Prof. Domenico Macaggi, Institut de Medicine legale, Universite de Genes, Genes, Italy, President.

INTERNATIONAL ACADEMY OF PATHOLOGY, Cincinnati, Ohio, U. S. A., April 24-25, 1956. Dr. F. K. Mostofi, Armed Forces Institute of Pathology, Washington 25, D. C., U. S. A., Secretary.

INTERNATIONAL CONGRESS OF ALLERGOLOGY, Rio de Janeiro, Brazil, S. A., Nov. 6-13. Dr. Bernard N. Halpern, 197 boulevard St. Germain, Paris 7e, France, Secretary General.

INTERNATIONAL CONGRESS OF ANTHROPOLOGICAL AND ETHNOLOGICAL SCIENCES, Philadelphia, Pa., U. S. A., Sept. 2-9, 1956. Dr. William N. Fenton, National Research Council, Division of Anthropology and Psychology, 2101 Constitution Avenue, Washington 25, D. C., U. S. A., Secretary-General.

INTERNATIONAL CONGRESS FOR THE HISTORY OF SCIENCE, Florence and Milan, Italy, Sept. 3-10, 1956. Dr. M. L. Bonelli, Instituto di Ottica, Arcetri, Florence, Italy, Secretary-General.

INTERNATIONAL CONGRESS OF HYDATID DISEASE, Athens, Greece, Sept. 14-18, 1956. Prof. B. Kourias, Croix-Rouge Hellenique, 1 rue Mackenzie King, Athens, Greece, Secretary-General.

INTERNATIONAL CONGRESS OF INTERNAL MEDICINE, Madrid, Spain, Sept. 19-23, 1956. Dr. J. C. De Oya and Dr. J. Gimena, Hostaleza No. 90, Madrid, Spain, Secretaries.

INTERNATIONAL CONGRESS OF INTERNATIONAL COLLEGE OF SURGEONS, Buenos Aires, Argentina, S. A., Nov. 19-24, 1956. Dr. Max Thorek, 1516 Lake Shore Drive, Chicago, Illinois, U. S. A., Secretary-General.

INTERNATIONAL CONGRESS OF INTERNATIONAL SOCIETY OF BRONCHOESOPHAGOLOGY, Buenos Aires, Argentina, S. A., Oct. 28-29. Dr. Juan Carlos Arauz, Cangallo 4015, Buenos Aires, Argentina, S. A., Secretary General.

INTERNATIONAL CONGRESS OF MEDICAL PROFESSIONAL JURISDICTION, MEDICAL ETHICS, AND COMPARATIVE MEDICAL LAW, Paris, France, Sept. 30-Oct. 3. Dr. J. R. DeBray, Conseil National de L'Ordre des Medécins, 60, Boulevard Latour-Maubourg, Paris 7e, France, Secretary General.

INTERNATIONAL CONGRESS OF NEO-HIPPOCRATIC MEDICINE, Montecatini, Terme, Italy, May 20-22, 1956. Prof. P. Delore, 13 rue Jarente, Lyon, France, Secretary-General.

INTERNATIONAL CONGRESS OF PAEDIATRICS, Copenhagen, Denmark, July 22-27, 1956. Professor P. Plum, Rigshospitalet, Copenhagen, Denmark, President.

INTERNATIONAL CONGRESS OF PHYSICAL MEDICINE, Copenhagen, Denmark, August 20-24, 1956. Dr. B. Strandberg, Kobenhavns amts sygehus i Gentofte, Dept. of Rheumatology and Physical Medicine, Hellerup, Denmark, Honorable Secretary.

INTERNATIONAL CONGRESS OF RADIOLOGY, Mexico, D. F., Mexico, July 22-28, 1956. Dr. Jose Noriega, Tepic 126 (2e piso), Mexico, D. F. 7, Mexico, Secretary General.

INTERNATIONAL CONGRESS OF WORLD CONFEDERATION FOR PHYSICAL THERAPY, New York, New York, U. S. A., June 17-23, 1956. For information address: Miss Mildred Elson, American Physical Therapy Association, 1790 Broadway, New York 19, New York, U. S. A.

INTERNATIONAL GENERAL MEDICAL CONGRESS, University of Rosario Medical College, Rosario, Argentina, S. A., Nov. 7-12. Dean Jose Imhoff, Santa Fé 3100, Rosario, Argentina, S. A., Chairman.

INTERNATIONAL PHYSIOLOGICAL CONGRESS, Brussels, Belgium, July 29-Aug. 5, 1956. For information address: Prof. J. Reuse, Faculte de Medicine et de Pharmacie, 115 Boulevard de Waterloo, Brussels, Belgium.

INTERNATIONAL PROFESSIONAL UNION OF GYNECOLOGISTS AND OBSTETRICIANS, Madrid, Spain, Sept. 28-29, 1956. Dr. Jacques Courtois, 1 rue Racine, St-Germain-en-Laye (S and O), France, Permanent International Secretary-General.

NORTH QUEENSLAND MEDICAL CONFERENCE, Cairns, North Queensland, Australia, June 25-30, 1956. Dr. W. R. Horsfall, P.O Box 672, Cairns, N.Q., Australia, Secretary.

PAN AMERICAN CONGRESS OF INTERNATIONAL COLLEGE OF SURGEONS, Mendoza City, Argentina, S. A., Oct. 22-26. For information address: Secretary, Caseros Av. 2154, Buenos Aires, Argentina, S. A.

PAN AMERICAN CONGRESS OF OPHTHALMOLOGY, Santiago, Chile, S. A., Jan. 9-14, 1956. Dr. Rene Contardo, Huerfanos 930, Of. 74, Santiago, Chile, Secretary General.

PAN AMERICAN MEDICAL SOCIAL CONVENTION, Bogota, Colombia, S. A., Oct. 15-22. Dr. Leopoldo E. Araujo, Avenida de los Presidentes Num. 506, Apartado 2589, La Habana, Cuba, Secretary.

PAN AMERICAN MEDICAL WOMEN'S ALLIANCE, Santiago, Chile, March 6-13, 1956. For information address: Dr. Eva Cutright, 458 Beall Ave., Wooster, Ohio, U. S. A.

VENEZUELAN CONGRESS OF MEDICAL SCIENCES, Caracas, Venezuela, S. A., Nov. 18-26. Dr. A. L. Briceno Rossi, Apartado 4412, Ofic. del Este, Caracas, Venezuela, S. A., Secretary General.

WORLD CONGRESS ON FERTILITY AND STERILITY, Naples, Italy, May 18-26, 1956. For information address: Prof. G. Tesauro, S. Andrea della Dame, 19, Naples, Italy.

MAGAZINE–TELEVISION REPORT

The following list of current medical articles in mass-circulation magazines and forthcoming network television programs on medical subjects is published each week only for the information of readers of THE JOURNAL. *Unless specifically stated, the American Medical Association neither approves nor disapproves of the articles and programs reported.*

TELEVISION

Sunday, Sept. 25

NBC-TV, 2 p. m. EDT. "American Inventory" presents "The Days Grow Long," which dramatizes the need for a new attitude on the part of all Americans toward the country's growing number of older people and their problems.

Monday, Sept. 26

NBC-TV, 9 p. m. EDT. "Medic" features the first of two episodes on postpartum psychosis. Titled "And There Was Darkness," the first episode shows a young mother so depressed after the birth of a baby that she asks to be admitted to a mental hospital.

ABC-TV, 9:30 p. m. EDT. "Medical Horizons," presented in cooperation with the American Medical Association, will originate from Kessler Institute, West Orange, N. J. The report will show advanced methods of treating the handicapped individual, with emphasis on a multidisciplined approach.

Wednesday, Sept. 28

NBC-TV, 11:30 a. m. EDT. "Medical and Health News with Howard Whitman," a segment of the "Home" program.

MAGAZINES

Look, Sept. 20 and Oct. 4, 1955

"The Mentally Ill Tell Their Own Story," by Roland Berg

In a two-part article, *Look's* medical editor and a staff photographer report on their visit to St. Elizabeth's Hospital, Washington, D. C., giving in words and pictures an insight on current diagnosis and therapy.

Parade, Sept. 25, 1955

"Polio Report," by Robert Goldman

"Right now there is no reason to defer your child's inoculation with Salk vaccine in hopes of 'something better' tomorrow or next month. As with other immunizing agents, research on polio must continue slowly, painstakingly for perhaps several years. But it may be predicted safely that one day a greatly improved virus, tested and approved, will be ready for release."

Farm Journal, September, 1955

"Your Medical Check-up," by Caroline A. Chandler, M.D.

Every woman needs "regular and complete medical checkups spaced according to her age and according to the doctor's recommendation. . . . If your doctor doesn't go along with the idea . . . you have the wrong doctor!"

Pageant, October, 1955

"A New Look at Mental Illness," by Lawrence Galton

The author tells of new drugs and new treatments for the mentally ill. Under drugs, he mentions chlorpromazine and reserpine, glutamine for epilepsy, Metrazol and niacin for reducing confusion in older patients, and Miltown for helping "tense and anxious patients." Under treatments, the author reports on trends in treating mental patients outside of institutions in England, Belgium, and the United States.

"Watch Your Next Operation"

A photographic feature that gives a patient's eye view of procedures before and after an operation.

"America Is Catching Spockitis," by David R. Lindsay

A personality sketch of Dr. Benjamin Spock and his family.

Coronet, October, 1955

"Fluoridation: Is It Safe?" by James Rorty

The author says that the "tide seems to be swinging towards the opponents of the (fluoridation) program. . . . They hold that far from being a public health boon of demonstrated safety and value, fluoridation is a dubious and inadequately tested venture into mass medicine. They argue that it is without precedent in public health history to apply such a wholesale program on the basis of such meager investigations of its safety and effectiveness."

"285 Years of Medicine"

Biographical sketches of four elderly medical doctors: 89-year-old Dr. William Vroom, 93-year-old Dr. William L. Warriner, 97-year-old Dr. Maurice J. Lewi, and 101-year-old Dr. Frederick B. Streeter.

DEATHS

Allen, Charles Alexander, Washington, D. C.; Howard University College of Medicine, Washington, 1910; for many years on the staff of the Freedmen's Hospital; died Aug. 14, aged 70, of congestive heart disease.

Brabham, James Charles ⊕ McColl, S. C.; Medical College of South Carolina, Charleston, 1934; engaged for many years in public health work, first in South Carolina and later in Mississippi; died July 18, aged 46.

Burnside, Isaac Marion, Los Angeles; Marion-Sims Beaumont Medical College, St. Louis, 1899; served on the staff of the Hollywood Presbyterian Hospital; died in Burbank July 2, aged 82, of coronary occlusion.

Cavanagh, John Leslie ⊕ Carlsbad, N. M.; University of Toronto Faculty of Medicine, Toronto, Canada, 1923; interned at the Riverdale Isolation Hospital and Hospital for Sick Children in Toronto, and the Lutheran Hospital in Brooklyn; served with the Canadian Expeditionary Force during World War I; died April 10, aged 58, of coronary occlusion.

Corlett, Thomas Gardiner ⊕ Colorado Springs, Colo.; University of Buffalo (N. Y.) School of Medicine, 1890; died in the Glockner Hospital Aug. 13, aged 87.

Culver, George Albert ⊕ Galveston, Texas; University of Texas School of Medicine, Galveston, 1945; interned at the Gorgas Hospital in Ancon, Canal Zone; served as associate professor of anesthesiology at Baylor University College of Medicine in Houston; on the faculty of his alma mater, now known as the University of Texas Medical Branch; on the staff of the John Sealy Hospital and affiliated hospitals; died May 17, aged 33, of coronary thrombosis.

Du Bois, Franklin Thomas ⊕ Liberty, Ind.; University and Bellevue Hospital Medical College, New York City, 1899; veteran of the Spanish-American war; served as county health officer and coroner; died July 2, aged 85, of senility.

Frost, Edward Harold ⊕ Willmar, Minn.; Louisville (Ky.) Medical College, 1899; for a time vice-president of the Minnesota State Medical Association; past-president of the Great Northern Railway Surgeons Association; held a position on the school board for many years; a city health officer and division surgeon of the Great Northern Railroad; at one time county coroner; past-chief of staff of the Rice Memorial Hospital; died June 2, aged 79, of coronary occlusion.

Gates, Arthur Marion ⊕ Ararat, Va.; Medical College of Virginia, Richmond, 1919; member of the Medical Society of Virginia; coroner for Dan River District, Patrick County; died July 4, aged 63, of pulmonary embolism.

Greaves, Horatio Norman, Champaign, Ill.; American Medical Missionary College, Battle Creek, Mich., and Chicago, 1906; Rush Medical College, Chicago, 1907; on the staff of the Burnham City Hospital; died July 31, aged 74.

Henry, Tully Lee, Wilburton, Okla.; College of Physicians and Surgeons, Little Rock, Ark., 1910; died July 27, aged 69, of coronary occlusion.

Hilton, Walter Scott, Tiffin, Ohio; Starling Medical College, Columbus, 1896; died in the Mercy Hospital June 12, aged 90, of carcinoma of the prostate and an injury received in a fall.

Johnson, George Frederick ⊕ Montalvo, Calif.; St. Louis College of Physicians and Surgeons, 1896; first mayor of East Moline, Ill., and served in that position for 14 years; veteran of World War I; died Aug. 6, aged 82, of arteriosclerosis and diabetes mellitus.

Klaptoz, Adalbert ⊕ Chicago; Medizinische Fakultät der Universität, Vienna, Austria, 1910; was frozen to death in a blizzard near Linz, Austria, while mountain climbing Aug. 8, aged 69.

⊕ Indicates Member of the American Medical Association.

Kretzmer, Eugene ⊕ Worcester, Mass.; Ludwig-Maximilians-Universität Medizinische Fakultät, München, Bavaria, Germany, 1908; served with the German Army during World War I; died in Fairlawn Hospital July 20, aged 72.

Lambert, Joseph S., Chicago; Northwestern University Medical School, Chicago, 1893; on the staff of the Englewood Hospital; died Aug. 8, aged 88, of chronic myocarditis.

McClellan, P. T. ⊕ Vero Beach, Fla.; Georgia College of Eclectic Medicine and Surgery, Atlanta, 1910; served as health officer; died in the Indian River Memorial Hospital June 10, aged 78, of aplastic anemia.

Mitchell, William James ⊕ Chicago; Rush Medical College, Chicago, 1903; died in the Woodlawn Hospital July 28, aged 73, of a cerebrovascular accident.

Nuzum, John Weston Jr. ⊕ New Orleans; Northwestern University Medical School, Chicago, 1951; certified by the National Board of Medical Examiners; member of the Illinois State Medical Society; formerly a resident at the Augustana Hospital in Chicago; served as a first lieutenant in the U. S. Air Force; resident at the Charity Hospital of Louisiana, where he interned; died Aug. 15, aged 29.

O'Dea, Patrick John, Sacramento, Pa.; College of Physicians and Surgeons, Baltimore, 1898; an associate member of the American Medical Association; on the staffs of the West Side and Mercy hospitals; died July 14, aged 80, of heart disease.

Petry, Franklin, Lowell, Ind.; College of Physicians and Surgeons of Chicago, School of Medicine of the University of Illinois, 1901; died in the Porter Memorial Hospital, Valparaiso, April 3, aged 81, of abdominal cancer.

Pohly, Albert G., New York City; University of the City of New York Medical Department, 1891; member of the Medical Society of the State of New York; for many years physician for the board of education; served on the staffs of the Lenox Hill Hospital and the Mount Sinai Hospital, where he died Aug. 10, aged 85, of adenocarcinoma of the stomach.

Rubbra-Morris, Jean Olive, Billings, Mont.; University of Kansas School of Medicine, Kansas City, 1945; interned at St. Margaret's Hospital in Kansas City, Kan.; formerly a resident at the Kansas City (Mo.) General Hospital, and the Research and Educational Hospitals in Chicago; on the staff of St. Vincent Hospital; died July 4, aged 34.

Scruton, Foster David, Detroit; University of Michigan Medical School, Ann Arbor, 1914; on the staff of the Detroit Memorial Hospital; died in Monterey Park, Calif., June 6, aged 69, of hypertensive cardiovascular disease.

Stern, Nathan ⊕ Indianapolis; Medical College of Indiana, Indianapolis, 1904; served during World War I; on the staff of St. Vincent's Hospital; died July 18, aged 74, of coronary occlusion and arteriosclerosis.

True, MaBelle, Topeka, Kan.; Kansas Medical College, Medical Department of Washburn College, Topeka, 1897; died Aug. 2, aged 83, of a cerebral vascular accident.

Weiner, Samuel Isaac ⊕ Chicago; University of Illinois College of Medicine, Chicago, 1925; on the staff of Mount Sinai Hospital; died July 9, aged 58.

White, James R., Chicago; Meharry Medical College, Nashville, Tenn., 1897; served during World War I, when he received the Croix de Guerre from France; on the staff of the Provident Hospital; died at a resort near Mears, Mich., July 26, aged 84, of coronary occlusion.

Yarian, Norman Carey ⊕ Cleveland; University of Wooster Medical Department, Cleveland, 1896; on the staffs of the Lutheran and Lakewood (Ohio) hospitals; died in Bay Village, Ohio, July 28, aged 84, of uremia.

FOREIGN LETTERS

AUSTRIA

Retarded Elimination of Hydrocortisone.—At the June 16 meeting of the Society of Internal Medicine of Vienna, Geyer and Keibl described their observations on the elimination of injected hydrocortisone in healthy persons and in patients with liver disease and showed that the decomposition of this hormone is greatly retarded in liver diseases. Parenchymal diseases of the liver and biliary obstructions showed the same behavior in this respect. The results demonstrate the importance of the liver in the decomposition of the adrenal cortical hormones.

Hepatic Circulation.—At the same meeting Neumayr and Vetter demonstrated once more the clinical value of the nonsurgical method for ascertaining the hepatic circulation in human beings with the aid of colloidal radioactive gold. Investigations on 15 patients in whom the hepatic minute volume was ascertained simultaneously with radioactive gold and bromsulphalein revealed that the radioactive gold method revealed values that were on the average 15.6% lower than those obtained with the bromsulphalein method. An attempt was made to show that the radioactive gold method reveals values that correspond more closely to the actual quantities of blood in the hepatic circulation than do those obtained with bromsulphalein. This is especially true in patients with functional disturbances in the hepatic parenchyma.

Influencing of the Menstrual Cycle.—At the meeting of the Society of Physicians in Vienna on June 17, Dr. V. Grünberger stated that female patients often express the wish for a postponement of their menstrual cycles because of vacation, competitive sports, or polymenorrhea. Sixty women with polymenorrhea and with normal menstrual cycles were treated with estrogens. The treatment of choice was 20 mg. of the synthetic preparation dienestrol (Retalon) on the fourth and sixth days of the cycle. In 70% of the patients with polymenorrhea and in 87% of the women with a normal cycle, the onset of the next period was postponed for an average of six to seven weeks. At any time, the amenorrhea could be brought to an end by giving the patient two 25 mg. doses of progesterone. Successive menstrual cycles did not show any disturbance. In several patients with polymenorrhea, treatment was followed by a regulation of the menstrual cycle. In only one patient, a woman with glandular-cystic hyperplasia, long-continued bleeding occurred.

Functional Urinary Incontinence.—At a meeting of the Austrian Society of Gynecologists and Obstetricians in Vienna in June, Brandstetter and Gritsch reported that variations of the sphincteral power of the bladder depending on phases of the menstrual cycle may be observed in continent as well as in incontinent women with normal menstruation. The sphincteral capacity is measured as the difference in pressure between the bladder at rest and during squeezing of the bladder by contractions of voluntary muscles. In continent women one may find differences in positive pressure only, depending on phases of the menstrual cycle, while in incontinent women an observed negative difference in pressure may be abolished or turned into a positive difference in pressure at the time of the highest estrogen activity, but only in women in whom the negative difference in pressure is not too great. This makes possible the detection of functional urinary incontinence in women by distinguishing a temporary and a permanent incontinence.

BRAZIL

Total Gastrectomy.—In the third volume of *Publicações da Casa de Saude São Miguel* of Rio de Janeiro, Dr. Fernando Paulino and his co-workers reported 20 total gastrectomies performed in the last five years with no operative deaths. In 15 patients the pathological diagnosis was adenocarcinoma of the stomach, in 3 it was scirrhous carcinoma, in one it was lymphosarcoma, and in one squamous cell epithelioma of the esophagus extending into the stomach. In a follow-up of 19 of these patients, 10 had died; of these 3 lived more than one year. After a period of adaptation of three to six months, they enjoyed until their death a relatively normal life, free from pain and without dietary restrictions. Seven patients died within 10 months after operation. In this group the patients suffered from pain, vomiting, and nutritional disturbances. Of the nine patients still living, one had survived the operation for 30 months and another for 16 months. Both lead a normal life, without dietary restrictions. The other seven patients had been operated on for less than 10 months. Although this series is relatively small, the authors believe that, whenever possible, subtotal gastrectomy is the operation of choice, because, as compared with total gastrectomy, it provides a more comfortable postoperative period, even though the lesion recurs later. Total gastrectomy should be reserved for patients in whom a subtotal operation would not permit wide excision of all malignant tissue.

Acute Leukemia.—Two patients with acute leukemia predominantly localized in the kidneys were reported by Dr. Sílvio Jordão and his co-workers in the *Archives of the Hospital Central da Santa* (March 1, 1955). In the hematological study the authors emphasized the presence of immature and undifferentiated cells that cannot be classified in the normal blood series. According to Maffei this cell is a polyblast. It is also called a microhistiocyte, lymphocytoid cell, microhemocytoblast, and micromyeloblast. The authors agree with Carballo and Rohr regarding the value and position of Ferrata's hemohistioblast in the cell differentiation scale. For them only two cells are undoubtedly of value in the hematological picture of acute leukemia: the polyblast and the hemocytoblast. According to a new pathological concept of this disease, sponsored by the authors, the diagnosis is made by the identification of immature elements, regardless of their topographic distribution. Thus, this disease should be considered as a hyperplasia of the reticuloendothelial system, therefore a systemic disease.

ENGLAND

Cancer Research.—The Annual Report of the British Empire Cancer Campaign for 1954 is based on reports from 15 research institutions in this country and from individual workers and research institutions in Canada, Australia, and New Zealand. At the Chester Beatty Institute the whole tar from cigarette smoke and the neutral fraction have been applied to the skin for 18 months in five strains of mice, with a completely negative result to date. This suggests at most that any carcinogenic properties possessed by the tars are mild. In other experiments in which mice have been exposed for long periods to cigarette smoke the induction of lung cancer has not been observed. As this may simply be due to the unsuitability of this particular species, condensates from cigarette smoke and from cigarette paper smoke have also been examined for the presence of carcinogenic hydrocarbons and, in particular, 3:4-benzopyrene. In the case of the smoke condensate from cigarette paper, examination of a large series of fractions has led to the detection of 3:4-benzopyrene by methods based on photographic fluorescence and to its clear confirmation by the use of the Cary spectrophotometer. No estimate of the amount present has so far been made. In Glasgow, experiments to test the carcinogenic action of tar obtained from mechanically smoked cigarettes, administered over prolonged periods by feeding and by direct injection into the lungs of mice, and of tobacco tars produced under conditions as nearly as possible resembling those in ordinary smoking have proved negative. At the London Hospital, cigarette tobacco extracts obtained from the butts of naturally smoked cigarettes have also proved inactive in tests for carcinogenic, initiating and promoting, action.

The items in these letters are contributed by regular correspondents in the various foreign countries.

Nitrogen Mustard.—At the Chester Beatty Research Institute, 43 patients have been treated with the aromatic nitrogen mustard-CB 148, including 15 with Hodgkin's disease, 8 with disseminated lymphosarcoma, and 5 with lymphocytic leukemia. The daily oral dose was 0.1 to 0.3 mg. per kilogram of body weight for periods up to four months. Thirteen of the patients with Hodgkin's disease showed some response, but only two derived substantial clinical benefit. Responses of value have also followed treatment in four of five patients with giant follicular lymphoma and in a few of those with lymphocytic leukemia. Side-effects of nitrogen mustard-CB 148 are less than with nitrogen mustard-HN 2 and triethylene melamine. Although this new nitrogen mustard is a powerful bone marrow depressant, serious damage should be avoidable.

At the Westminster Hospital, nitrogen mustard-CB 148 has been used in 39 patients; 24 with Hodgkin's disease, 2 with lymphosarcoma, 3 with lymphocytic leukemia, 2 with granulocytic leukemia, 4 with plasma cell myeloma, and 3 with generalized carcinomatosis. Good temporary palliation has been achieved in many of the patients. Ten patients with advanced Hodgkin's disease and one with chronic lymphocytic leukemia have been treated with actinomycin but with little clinical control of the disease. Nitrogen mustard has been found to be the most useful drug for the control of plasma cell myeloma. Triethylene melamine has on occasion been used as an alternative to nitrogen mustard, but the remissions obtained with it have not been considered superior to those obtained with nitrogen mustard.

Polycythemia Vera.—At the Chester Beatty Institute in the last six years 49 patients with polycythemia vera have been treated with radioactive phosphorus. No side-effects or radiation reactions have been encountered. In 28 patients the phosphorus was given in two doses, at an interval of 6 to 12 weeks, the average dose being 5 mc. followed by 4 mc. Of these patients, 23 responded satisfactorily, 2 have not responded, one has anemia, one has anemia or leukemia, one has died of leukemia, and 2 could not be traced. In 21 patients, the phosphorus was given in a single injection of 4 to 7 mc. Of these, 15 have responded satisfactorily, one is resistant, 3 have died (one from a cerebral accident, one from heart failure, and one from osteosclerosis myelofibrosis), and 2 could not be traced. A review of 64 patients with chronic granulocytic leukemia treated in the last 17 years shows that of 17 treated with irradiation alone, 7 survived 3 years or longer; of 15 treated by chemotherapy, 4 survived 3 years or longer; and, with a combination of irradiation and chemotherapy, 19 of 32 patients survived for this period. All the surviving patients treated by chemotherapy were treated with Myleran, and the results achieved by this drug, particularly in combination with radiotherapy, were as good or better than those achieved by radiotherapy alone.

Adenocarcinoma of Rectum.—At the Department of Radiotherapy at St. Bartholomew's Hospital between 1937 and 1954, 189 patients with adenocarcinoma of the rectum were treated; in 82% the adenocarcinomas were surgically inoperable because of the extent of the disease, and in 18% they were inoperable because of the poor general condition of the patients. The five year survival rate was 5% as compared with the 12 to 15% rate for those undergoing surgery, a figure that includes early cases. The most striking effect of treatment was the relief of symptoms due to the primary growth. This occurred in over 60% of the patients, and in 41% it was not necessary to perform a colostomy.

Intestinal Metaplasia.—At Mount Vernon Hospital, 52 specimens of duodenal ulcer, 28 of gastric ulcer, and 39 of carcinoma, removed at gastrectomy, were examined for the incidence and extent of intestinal metaplasia at the pylorus, lesser curvature, and greater curvature. Areas of intestinal metaplasia were present in 78% of the stomachs examined (in 93% of those removed for carcinoma, in 82% of those removed for gastric ulcer, and in 65% of those removed for duodenal ulcer). Taking the series as a whole, the incidence of intestinal metaplasia at the pylorus was 71%, at the lesser curvature 46%, and at the greater curvature 35%. In the stomachs removed for duodenal ulcer, the pylorus was involved in nearly 60% of cases, whereas the lesser curvature (15%) and the greater curvature (10%) were seldom affected. In gastric ulcer the incidence at the lesser curvature (57%) and at the greater curvature (39%) was relatively higher, and at the pylorus the incidence was 71%. In the stomachs containing carcinoma the incidence of intestinal metaplasia at the pylorus was 87%, at the lesser curvature 79%, and at the greater curvature 67%. As these findings suggested that gastric carcinoma may arise from areas of intestinal metaplasia in the gastric mucosa, a series of 107 primary carcinomas of the stomach were examined. Of these, 35 appeared to arise from an intestinal type of epithelium. This is considered to be a conservative estimate, and it is probable that about half of all gastric carcinomas arise from areas of intestinal metaplasia.

At the same hospital, the Theratron cobalt unit has been used for the treatment of patients since March, 1954. The apparatus has been so designed that the 100-curie source can be rotated in a vertical plane through 360 degrees and can also be moved through an arc normal to the plane of rotation. The authors of the report have been impressed by the fact that it has been possible to deliver presumably adequate doses of a deep-seated lesion without causing severe reactions and without distress to the patient. Despite the advanced nature of many of the lesions that have been treated, primary regression and, in many, complete clinical disappearance has occurred to an extent not previously observed.

Ulcerative Colitis.—At St. Mark's Hospital there are records of 11 patients with cancer following ulcerative colitis, seven cases of which were found by examining colectomy specimens. The specimens made up a consecutive series, unselected in any way, and seven cancers were found in 120 colectomy specimens. The average age of these 120 patients was 42 years. They all had ulcerative colitis and were operated on primarily for this condition, but seven of them were found to be suffering from cancer of the colon. The present position is summarized by saying that any patient in whom severe ulcerative colitis has lasted more than 10 to 15 years has entered a phase of life when intestinal cancer has become a definite risk. The danger of cancer will increase still further with the years. The risk of cancer is not in itself sufficient to justify colectomy in ulcerative colitis if there is no other indication for such radical treatment, but it may sometimes be considered as an additional argument in favor of colectomy in a long-standing case.

Neuroblastoma.—The report from the Hospital for Sick Children, Great Ormond Street, includes a review of the 94 patients with neuroblastoma admitted to the hospital during the past 30 years; 77 presented symptoms during the first 4 years of life, and in one-third of the patients the first manifestation appeared during infancy. In 41 patients the tumors originated in the adrenal and in 24 from the adjacent sympathetic tissue in the abdomen. Metastases had occurred in two-thirds of the children on admission to hospital. Seventy-seven of the 94 patients have died. Death occurred within six months from the onset of symptoms in 75% of these children. The duration of the illness only once exceeded 14 months. In those fatal cases in which therapy was undertaken, no appreciable prolongation of life resulted. In two patients cure appears to have been the result of a spontaneous regression. A follow-up of 20 patients treated by surgery and/or radiotherapy shows that after two to five years 2 of the 5 treated by surgery, 1 of the 11 treated by radiotherapy, and all 4 treated by surgery and radiotherapy are alive. Further details are given of the 17 patients treated with cyanocobalamin. Ten of these children are still alive. The results to date are taken to indicate that vitamin B_{12} has an appreciable effect in nearly 50% of the patients to whom it has been given, although eventual relapse may occur. The therapeutic effects are encouraging in view of the fact that patients were selected for inclusion in this trial only because their disease was not considered amenable to surgery or radiotherapy, most of them already showing evidence of direct or metastatic spread of the neoplastic process by the time treatment was begun. Moreover, several children had been observed for several months before vitamin B_{12} therapy was instituted, with the result that their general condition was poor and some of them died soon after treatment was started. Even when only temporary regression occurred, this has nevertheless been impressive. The standard dose of vitamin B_{12} that is used is 1 mg. on alternate days, and, in patients who respond, this treatment is being maintained over a period of at least two years.

Carcinomas of Bronchus and Breast.—In a series of inoperable cases of carcinoma of the bronchus at Cambridge, it is concluded that intravenous administration of Synkayvite has a small but useful effect as a clinical radiosensitizer in radiotherapy. It appears to be possible to improve the response of some human malignant tumors to radiotherapy by means of chemical radiosensitizers. At Guy's Hospital, 497 patients with fibroadenosis have been followed for variable periods beginning in 1953, and, of these, 18 have developed carcinoma of the breast. Of 181 patients in whom a mass of fibroadenosis has been removed from the breast, 41 have required a further operation. Of 64 patients in whom a mass of adenofibroma of the breast has been removed, 10 have required a further operation. Fifteen patients with carcinoma of the breast that was inoperable when first seen have been able to undergo operation because of irradiation treatment. Seventy-four patients have been treated with large doses of estrogens. With one exception, these were all patients who were postmenopausal and who all had widespread manifestations of the disease in varying sites, both in the skeletal and soft tissue. Of these 74 patients, 7 were unable to take the drug, in 23 there was no response, in 31 there was a moderate response, and in 13 there was an excellent response.

Blood Grouping.—At Whipps Cross Hospital, blood grouping has been investigated in 434 histologically proved cases of malignant disease. The proportions of the various blood groups for malignant disease as a whole do not differ greatly from the controls. If, however, certain types of malignant diseases are placed in arbitrary classes (male genitourinary; female genitourinary; intestinal; respiratory; reticuloendothelial), some variations are seen. Thus, there is a preponderance of group O type blood in male and female patients with genitourinary cancers and of group MN in female patients with genitourinary and reticuloendothelial neoplasms. In female patients with genitourinary cancers, there is an excess of persons who are Rh-positive, and in patients with the four other classes of disease there is an excess of persons who are Rh-negative. The proportion of group B is remarkably constant in all classes. The percentage of blood group substance excretors seems to be raised in male and female patients with genitourinary and respiratory cancers but not in patients with the intestinal or perhaps the reticuloendothelial neoplasms.

Work of the Psychiatric Nurse.—A report on "The Work of the Mental Nurse," published by a joint committee of the Manchester Regional Hospital Board and the University of Manchester, calls attention to the amount of urinary and fecal incontinence in patients in mental hospitals and the apparent absence of attempts at habit training. It is estimated that in nursing time alone each instance of incontinence represents 10 to 20 minutes' extra work. Successful habit training could change the spirit of a ward, as well as saving unnecessary work. Job analysis shows that in most wards there is little requirement for technical nursing of the type required in a general hospital, and it is possible that by reorganization this requirement could be reduced still further. On the other hand, there are many duties specially related to the welfare of the patients, which may be carried out by a qualified nurse, a student nurse, or a nursing assistant according to the staff available in the ward. In general, these duties are well done, but this success is related not to technical qualifications but to the nurse's experience and natural capacity. Thus, psychiatric nursing is now learned largely by doing the job under the supervision of trained personnel and not by formal technical training. It is recommended that the length and content of the training course should be reviewed, with the object of providing courses that are integrally related to the work of mental or mental deficiency hospitals. This does not imply any reduction of standards but may make the course more attractive for those temperamentally suited to psychiatric nursing, because the inter-relation of theory and practice will be more evident and will grow naturally out of the work in the wards. There should be stricter selection of students for training, so that only those will set out on the full course of training who have a reasonable chance of passing. The grade of nursing assistant should be recognized and training for it standardized. The job of a psychiatric nurse involves (1) basic nursing—the care and attention given to the patient in the interests of his comfort and general well-being and the maintenance of his physical health, (2) technical nursing—the nursing tasks concerned with the treatment of the particular illness, mental or physical, from which the patient is suffering, and (3) supervision—the tasks of teaching patients to be socially and morally conscious, establishing rapport between nurse and patients in order to build up personal esteem, observing special precautions to prevent violent outbursts, and keeping patients from escaping. To discharge all these functions effectively the trained nurse must, in addition to technical capacity, be able to show affection and understanding to the patient, train patients of varying ages and mental years to maintain their own personal hygiene, and establish a sense of security in the management of the ward.

Welfare State.—According to the annual report for 1954 of the Ministry of Pensions and National Insurance, at the end of 1954 the Ministry was paying over 900,000 war pensions; family allowances to nearly 3,250,000 families; and under the National Insurance schemes nearly 4,500,000 retirement pensions, about 500,000 widows' benefits and guardians' allowances, and 115,000 industrial disability pensions. In 1954, new claims for sickness benefits totaled more than 7 million, for unemployment over 2,500,000, and for industrial benefits over 80,000. The combined yearly cost of these and other social benefits paid by the Ministry was nearly 2 billion dollars. The standard weekly rates of unemployment benefit, of sickness benefit, and of the retirement pension at the minimum pension age have now risen to $5.60 a week for a single person and to $9.10 for a married couple. Widows' pensions have gone up to $5.60 a week and widows' allowances (for the first 13 weeks of widowhood) to $7.70 a week. The allowance for the first or only dependent child was increased to $1.60 a week and for each other child to 50 cents a week. Maternity grants have gone up to $28, home confinement grants to $11.20, and maternity allowances to $5.60 a week. Industrial injury benefits have risen to $9.45 a week for a single person and $13 for a married couple. Disability pensions are now $9.45 a week for 100% disability.

Salk Vaccine Trials Canceled.—Dr. G. S. Wilson, director of the Public Health Laboratory Service, announced on July 1 that the Medical Research Council had canceled the proposed trials with the Salk poliomyelitis vaccine in England. According to reports of informants in England, it is difficult to insure that every particle of virus in such a vaccine is killed, and it is difficult to see how any vaccine prepared by Salk's method can be guaranteed to be safe. Partly for this reason, and partly for immunologic reasons, many virologists believe that a vaccine containing a living, attenuated virus such as those used against yellow fever in man and against anthrax, hog cholera, and cattle plague in animals offers greater promise of success than a "killed" virus.

Obstetric Research.—To further the work of the existing obstetric research team in Aberdeen the Medical Research Council has agreed, in collaboration with the University of Aberdeen and the North-Eastern Regional Hospital Board, to form a unit for research in obstetrics under the direction of Prof. Dugald Baird. The unit will continue long-term research into problems of maternity, using a combination of epidemiological, clinical, and laboratory methods of investigation.

FINLAND

Respirator Treatment of Poliomyelitis.—In *Nordisk medicin* for July 14, Dr. Ossi Pettay reported that in 1954 there were 615 cases of paralytic poliomyelitis or 15 per 100,000 population. Seventy-four of these needed treatment in respirators. Five different types of respirator, each of which had its special merits and shortcomings, were used. The Emerson rocking-bed respirator proved to be reliable in practice, but because of its height it was difficult to lift very heavy patients into it. Electrically driven devices for aspiration were found to be reliable. All the patients treated in positive pressure respirators underwent early tracheotomy, the merits of which Pettay endorses in spite of the objection that it causes a severe psychic trauma. He found patients to be so alarmed at the prospect of suffocation that they gladly accepted tracheotomy, which was almost always followed by a large dose of scopolamine and morphine. Infections of the

urinary tract were observed in nine patients, and there were two in whom the infection due to Proteus vulgaris proved refractory to treatment. Great difficulties were experienced in restoring the normal functions of the colon. The attacks of tachycardia to which about half the patients were subject did not seem to depend on defective ventilation of the lungs. It may have depended on paralysis of the vagus nerve, and it responded well to treatment with dihydroergotamine.

ISRAEL

Family Health Course.—A new course recently introduced at the Hebrew University-Hadassah Medical School places it in the ranks of those progressive medical institutions tending to lay stress on social and environmental factors in clinical medicine. It is a course in family health, a subject at present taught in only a few universities in the world. This course emphasizes the importance of the family in the study of human disease. It is an outgrowth of the increasing realization that physical illness is often associated with psychological and sociologic factors springing from environmental circumstances. The new course would have been impossible without an appropriate "laboratory," which exists at Hadassah's Community Health Center and aims at promoting the health of the community through methods based on this new approach to medical treatment. The staff consists of physicians, nurses, health educators, psychiatric social workers, a statistician, laboratory worker, psychologist, and an anthropologist. In other words, the health center offers preventive, curative, and rehabilitative services for both physical and psychological disorders but at the same time attempts insofar as possible to eliminate the factors that cause those disorders. That means not only clinical treatment on the premises but also (1) home visits by physicians and nurses who give individual guidance in health and hygiene; (2) efforts to straighten out domestic tangles; and (3) work in community groups by the health educators. The health center was inaugurated two years ago as an experiment, and its apparent success led to the setting up of a similar center at Ashkelon by the local council of the labor fund and the Ministry of Health. Hadassah plans to open two more centers, and the government plans to open four.

The course in family health will be compulsory for all fourth, fifth, and sixth year medical students. In a series of introductory lectures by members of the health center staff, an attempt will be made to integrate the study of pathology with clinical practice as related to individual and family health. The first group of fourth year students has completed this stage, and each student will be assigned a family in the center as his special subject of study until the end of the course. From time to time, groups of 10 students will meet with members of the health center staff to discuss the problems encountered in the studies of their assigned families, and at a certain stage all students will be required to spend a period in residence at the center. Although the new course in family health was recently introduced, facilities for postgraduate training have been available for the past year. Those wishing to specialize in family health must be prepared to devote a further five years to it after receiving their medical degree. Most of this time must be spent at a health center.

Cooley's Anemia in Oriental Jews.—In a report in the *Bulletin of the Research Council of Israel* (vol. 4, no. 4, March, 1955) Dreyfuss reported that Cooley's anemia has been observed in members of a Bukharian Jewish family and in Oriental, especially Kurdish, children. Diagnostic criteria for Cooley's anemia were a high erythrocyte count in the presence of a relatively low hemoglobin level (one patient had an erythrocyte count of 6,650,000 per cubic millimeter and 12 grams of hemoglobin per 100 cc.), increased resistance of the erythrocytes to hypertonic salt solutions, and the morphological changes typical of Cooley's anemia. A high incidence of Cooley's anemia was noted by the author in members of three families of Oriental Jews, one from Kurdistan, one from Urfa, and one from Nesibin (Kashmili Jews). The latter two towns are in the southeastern corner of Turkey. At least 17, and possibly 20, of the 32 members of the families examined were found to have the disease. Since the three index cases of these three families were admitted to the hospital because of rheumatic heart disease (a diagnosis proved at autopsy in two of them), a search was carried out for evidences of this disease in the other members of these families. Rheumatic heart disease was diagnosed if clinically and roentgenologically demonstrable lesions were present. Eleven, and possibly 13, of the 32 had rheumatic heart disease. Eight, and possibly 10, had both Cooley's anemia and rheumatic heart disease. The appearance of Cooley's anemia is genetically determined and the susceptibility to rheumatic disease is also considered to be so conditioned, but whether anything more than a chance relation exists between these two conditions in the patients so affected in this series is not known.

New Psychiatric Ward Opened.—Israel's first general hospital department of psychiatry was opened at the Hadassah University Hospital in Jerusalem. The department, which was established by the Hebrew University under the leadership of Prof. Milton Rosenbaum of Cincinnati, started with 10 inpatient beds. Diagnostic and treatment clinics for outpatients will be held twice weekly. The department will provide the core of the clinical teaching of psychiatry to students of the Hadassah Medical School, thus permitting the inclusion of this branch of medicine in the regular undergraduate curriculum as well as serving for the postgraduate training of physicians. Closely associated with the department and integrated into its teaching schedule are the Lasker Child Guidance Center of Hadassah, with its visiting director, Dr. George Mohr, of Chicago, and the Keren Nechuth Mental Hospital, under Prof. H. Winnik. The sum of $150,000 was obtained for the new department as a gift from the Julius and Marie Scheider Foundation in the United States through the good offices of Dr. I. S. Wechsler of New York, a member of the Hebrew University's Board of Governors.

New Clinic Opened.—At a typical Bedouin feast in honor of Mr. Yosef Serlin, Minister of Health, on the occasion of the opening of a two-room clinic in Tel El-Milh, a one hour drive from Beersheba, Sheikh Deeb Salim Abu Rhea said, "The State of Israel has invested millions of pounds in making the desert flourish; it has shown its great interest in easing our hard nomadic life and in making my tribe a settled people." The feast was held in a gigantic black tent that hugged the bleached yellow sands of the Negev. Mr. Serlin answered that making the desert flourish is a blessing to Arab, Jew, and the state.

New School of Dentistry.—A delegation of five dentists paid a two weeks visit to the Hebrew University. All of them were from the United States, where they are active in the drive being conducted in that country by the Alpha Omega fraternity to raise funds for the new Hebrew University School of Dentistry. During their stay in Israel, the delegation advised on the organization of the school and gave lectures and practical demonstrations on dental problems.

World Health Organization Regional Poliomyelitis Laboratory.—The virus laboratory of the Hadassah Medical School will serve as the regional poliomyelitis laboratory of the World Health Organization. The Medical School will receive a one time contribution of $2,000 from the World Health Organization for the purpose of acquiring the necessary equipment.

ITALY

Pathogenesis of Acute Rheumatic Fever.—At a meeting of the Medical and Surgical Society of Verona, Professor Severi said that two main alterations are found in patients with acute rheumatic fever: a fibrin-like degeneration and a marked basophilia made of large cells such as those found in myocardial granulomas. The fact that these alterations can always be found in rheumatic granulomas as a sign of impairment of the precapillary arterioles proves that the agent that causes rheumatic fever very likely attacks the arterial walls. In granulomas in which the muscle alterations are more marked, the newly formed basophils are in close contact with the residue of the altered muscular fibers, and this leads to the assumption that many of these elements should be considered of muscular origin. Their importance is, however, not clear, and it is not clear whether

they should be interpreted as the expression of regenerative attempts on the part of the muscle fibers or as elements that have macrophagic capacity.

The main problem in the pathogenesis of acute rheumatic fever is to establish whether the inflammatory manifestations that are found in rheumatic patients should be ascribed to the direct action of a living agent or to one or more toxic chemical factors, whatever the origin may be. In other words, it is a matter of establishing whether the pathogenesis is chemotoxic or vitalistic. In support of the chemotoxic pathogenesis are many common theories, such as the toxinic, the enzymatic, and the allergic, but they do not give a satisfactory explanation for the mechanism of onset of the inflammations and their continued presence. On the other hand, the vitalistic pathogenesis cannot be accepted because the presence of a living agent in the rheumatic lesions has not as yet been demonstrated. The streptococcic pathogenesis, which appears to be the most probable, cannot be strongly supported because the mechanism by which the streptococci carry out their rheumatic-fever-inducing action has not been defined.

Professor Severi advanced the hypothesis that the streptococci act after undergoing a variation of the L type. The L-type streptococci, or midget streptococci, may originate after the initial streptococcemia that is secondary to the oropharyngeal inflammations, which precede the rheumatic attack. They may originate in the areas in which the normal streptococci that escaped the blocking and destructive action of the reticuloendothelial system survived and nested.

These variants would slowly cause some microgranulomas, which, because of their particular area of development near the vessels or in the walls of the vessels or near the margins of the cardiac valves, would at some time of their growth open up into the blood stream. The rheumatic attack with the entire complex of associated anatomic and clinical manifestations should, therefore, be ascribed to this sudden emission of L-type streptococci into the blood. The difficulty of cultivating the L-type streptococci and their slight or absent sensitivity to the standard antibiotics would explain why in rheumatic patients the cultures are always negative and antibiotic therapy ineffective.

Foods That Do Not Nourish.—Prof. Michele Mitolo of the University of Bari stated in *Notiziario Sanitario* (**13**:1 [Feb. 12] 1955) that some natural foods, when introduced into the organism, cause excessive destruction, elimination, or functional inhibition of essential nutritive principles. They are, therefore, antinutritive foods. The antagonistic activity of sodium and potassium is well known. It occurs also in the case of the multiplication of micro-organisms, which is favored by potassium and blocked by sodium. Calcium inhibits diastole and promotes systole to the point that, in high concentration, it results in the arrest of the heart in an exaggerated systole (calcium rigidity); it acts in a sympathomimetic manner, whereas potassium, its antagonist, acts in a parasympathomimetic manner. Manganese and iron act antagonistically in the development of higher plants so that, when the concentration of manganese increases in the plant, this shows the characteristic signs of iron deficiency (chlorosis), whereas, when the iron increases, manifestations of manganese deficiency can be seen. Amino acids also influence each other, and several pairs that are structurally similar are antagonists. Thus there is antithesis between lysine and arginine and between serine and threonine. Antagonism can also be observed in the case of amino acids that are structurally different. For example, amino acetic acid suppresses the action of serine and alanine. The antagonism between invertin and glucose or fructose is well known, as is also the fact that carbohydrates antagonize the action of vitamin B_1. Rancid fats can oxidize and destroy vitamin A, and an excess of fats decreases the antirachitic activity of a food. There are foods whose excess content of one or more vitamins can induce the deficiency of another vitamin and produce signs of hypovitaminosis or avitaminosis. A gradual diminution of ascorbic acid occurs in the organs of a pigeon in which beriberi has been produced by means of an exclusive rice diet. Sometimes the foods may contain enzymes that split some vitamins; the severe symptoms of muscular paralysis that are observed in animals receiving a diet rich in raw fish are due to the enzyme thiominase, which splits thiamine. The antinutritive elements have a certain selectivity of action. For example, Dicumarol behaves like antivitamin K in animals, whereas it is relatively atoxic for most micro-organisms.

Rheumatology Day.—The third rheumatology day was held in Rome on Feb. 12 and 13. It was organized by the rheumatological center of Rome under the direction of Professor Lucherini, who said that the importance of rheumatology is shown by the interest taken in discovering remedies, such as the recent syntheses of steroids with a marked antirheumatic activity that were derived from biliary acids, and by the preparation of a series of halogenated derivatives of cortisone and hydrocortisone. Professor De Sèze of France said the structural deterioration of an intervertebral disk is characterized by alterations of the nucleus pulposus and the annulus fibrosus that surrounds it. In the so-called preclinical stages, the nucleus pulposus dehydrates and becomes fragmented, while the annulus fibrosus presents at first fragmentation of the laminae and later numerous diastases through which fragments of markedly altered nuclear matter pass and reach the anterior and posterior periphery of the disk. In this phase the production of a classic posterior disk hernia may be observed. This should not, therefore, be considered, as it generally is, an autonomous disease but rather the terminal aspect of a pathological process that evolved in time, with or without marked clinical manifestations. Likewise, lumbar or lumbosacral arthrosis represents the final anatomic phase of the structural deterioration of the disk in vast and advanced forms. Various (professional, static, and dystrophic) etiological and pathogenetic factors can be used to explain the structural deterioration of the disk. The habitus of the patient, especially a state of decreased functional activity, and the mechanical aspects of the structural deterioration of the disk are important. The first phase of the degeneration of the disk is characterized by clinical findings of the so-called painful disk insufficiency; the phase during which a nuclear fragment wedges into the annulus fibrosus is characterized by acute lumbago; and the phase of posterior disk hernia is characterized by sciatica with involvement of the disk and radicle. Treatment should be individualized.

Professor Robecchi of Turin stated that the shoulder-hand syndrome should be classified with the dystrophic syndromes. It should be considered with respect to its proximal and distal localization. The former is a typical scapulohumeral periarthritis; the latter presents at first manifestations of painful swelling of the hand and later of rigidity with multiple trophic alterations. The etiological and pathogenic factors are not yet well defined. In some patients a relationship between the syndrome and a myocardial infarct is present. The treatment of this condition also should be individualized.

NEW ZEALAND

Pituitary Changes in Cryptorchism.—At the 14th meeting of the Otago Medical School Research Society in July, Dr. F. Bielschowsky reported (*Proc. Univ. Otago M. School* **33**:17, 1955) on the alterations found in the pituitary of rats in which cryptorchism had been surgically induced 12 to 18 months earlier. These changes consist of an extraordinary hypertrophy and hyperplasia of those basophilic cells that secrete the luteinizing, or interstitial cell-stimulating, hormone. The individual cells vary greatly in size and stainability. Some resemble normal interstitial cell-stimulating hormone cells closely; others are larger and more heavily granulated than normal and have an enlarged Golgi apparatus. Exhausted cells with pyknotic nuclei and vacuolated cells are also present. In cryptorchism the diffuse hyperplasia of interstitial cell-stimulating hormone cells, which is also seen in rats with diethylstilbestrol implants, can assume in certain zones a nodular or even adenomatous character. These observations, in conjunction with the fact that so far in four rats with cryptorchism benign tumors of the breast have developed, suggest that an estrogen secreted by the ectopic testes may be a factor in the pathogenesis of the pituitary changes described.

CORRESPONDENCE

SIMPLE TEST FOR DIAGNOSIS OF METASTATIC CARCINOID (ARGENTAFFINOMA)

To the Editor:—An unusual syndrome has been described recently in association with malignant carcinoid of the small intestine and hepatic metastases (Isler, P., and Hedinger, C.: Metastasierendes Dünndarmcarcinoid mit scheren, vorwiegend das rechte Herz betreffenden Klappenfehlern und Pulmonalstenose—ein eigenartiger Symptomenkomplex? *Schweiz. med. Wchnschr.* **83**:4-7 [Jan.] 1953). This syndrome is principally manifested by peculiar cutaneous flushes, chronic diarrhea, respiratory distress, and valvular disease of the heart. Personal experience with five cases of this syndrome within the past few months and the knowledge of several other such cases makes it likely that there are many more such cases as yet undiagnosed. Because of protean clinical manifestations, the "carcinoid syndrome" may mimic a variety of diseases. The cutaneous flushes are characterized by episodic erythema, patchy cyanosis, and blanching and may be confused with other types of vasomotor instability. They were erroneously ascribed to the menopause in one of our patients. A persistent cyanotic appearance may be noted in the absence of decreased arterial oxygen saturation. The intestinal hypermotility simulates that seen in other conditions including dysentery, sprue, and functional gastrointestinal disorders. A prolonged clinical course aids in distinguishing malignant carcinoid from other malignant intestinal lesions. Paroxysmal dyspnea and wheezing are sufficiently prominent in some of the patients to cause confusion with other conditions causing bronchospasm. Valvular disease of the heart, usually pulmonic stenosis and tricuspid regurgitation, is apparently a late development. The hepatomegaly may lead to confusion of this syndrome with primary hepatic disease and, in the presence of valvular heart disease, may be falsely attributed to congestive failure. Thorsen and his co-workers (Malignant Carcinoid of the Small Intestine With Metastases to the Liver, Valvular Disease of the Right Side of the Heart [Pulmonary Stenosis and Tricuspid Regurgitation Without Septal Defects], Peripheral Vasomotor Symptoms, Bronchoconstriction, and an Unusual Type of Cyanosis: A Clinical and Pathologic Syndrome, *Am. Heart J.* **47**:795-817 [June] 1954) suggested that carcinoid tumors might secrete large amounts of 5-hydroxytryptamine (serotonin) that conceivably could induce the manifestations of the syndrome. Using methods developed in our laboratory hyperserotonemia and an elevated urinary excretion of a serotonin metabolite, 5-hydroxyindoleacetic acid (5HIAA), have been demonstrated in patients with this syndrome. The normal 24-hour excretion of 5-HIAA is 2 to 8 mg. In five patients with the carcinoid syndrome, it was 140 to 628 mg. Measurements of urinary 5-HIAA in a variety of clinical conditions indicate that an increased excretion of 5-HIAA is specifically associated with metastatic carcinoid. Because of the large excretion of 5-HIAA in these patients, a direct color assay for this substance can be employed on a small aliquot of urine. This simple test is an adaptation of the quantitative assay and is based on the development of a purple color, specific for 5-hydroxy-indoles, on the addition of 1-nitroso-2-naphthol and nitrous acid.

The reagents are: 1-nitroso-2-naphthol (0.1% in 95% ethanol); nitrous acid (prepare fresh by adding 0.2 ml. of 2.5% sodium nitrite to 5 ml. of 2 *N* sulfuric acid); and ethylene dichloride. The following methods are used: run a normal urine for comparison; pipette into a test tube: 0.2 ml. of urine, 0.8 ml. of water, 0.5 ml. of 1-nitroso-2-naphthol and mix. Add 0.5 ml. of nitrous acid; and mix again. Let stand at room temperature for 10 minutes, then shake with 5 ml. of ethylene dichloride. If turbidity results the tube should be centrifuged. A positive test is indicated by a purple color in the top layer. No purple color will be seen with normal urine, though a slight yellow may be noticed. Assuming an average 24-hour urine volume of 1,000 ml., a purple color will be seen at levels of 5-HIAA excretion as low as 40 mg. per 24 hours. At higher levels the color is more intense and is almost black at levels above 300 mg. per 24 hours. Another substance, *p*-hydroxyacetanilid, reacts similarly but is found in urine only after administration of acetanilid or related drugs. The color formation may be inhibited in conditions resulting in the excretion of huge amounts of keto acids.

Our experience with five cases of the carcinoid syndrome suggests that an elevated urinary excretion of a serotonin metabolite, 5-hydroxyindoleacetic acid, is a constant feature of this condition. The limits of the chemical diagnostic test can only be defined by a study of many such cases. Large amounts of 5-hydroxytryptamine or serotonin have been found (Lembeck, F.: 5-Hydroxytryptamine in a Carcinoid Tumour, Nature, **172**: 910-911 [Nov. 14] 1953. Ratzenhofer, M. and Lembeck, F. Über den Gehalt an 5-Oxytryptamin in Carcinoiden des Darmtraktes, *Ztschr. Krebsforsch.* **60**:169-195, 1954) in solitary and metastatic carcinoid tumors, but it is still not known whether all carcinoid tumors produce 5-hydroxyindoles and secrete excess amounts into the blood. If carcinoid tumor is suspected clinically and the qualitative urine test is negative, a quantitative assay should be performed to detect abnormalities of 5-hydroxyindoleacetic acid excretion not revealed by the simple method.

ALBERT SJOERDSMA, M.D., PH.D.
HERBERT WEISSBACH, M.S.
SIDNEY UDENFRIEND, PH.D.
National Heart Institute
National Institutes of Health
Bethesda, Md.

POISONING

To the Editor:—In THE JOURNAL, May 28, 1955, page 335, in an otherwise scholarly and commendable article ("The Gentle Art of Poisoning") the following assertion is made: "An unmilitary race, the Jews, furnished the largest number of those who devoted their talents to this hand maiden of death." This assertion is, however, not supported by historical documentation. As a Hebrew scholar and historian of medicine, I am compelled to assure the readers of THE JOURNAL that no facts are known that might lend support to this view. The epical parts of the Bible often refer to elimination of enemies by assassination, but the "gentle art of poisoning" does not play a role in Biblical reports. In the Middle Ages, during the epidemic of the Black Death, an accusation was raised that the Jews had poisoned the wells. As a consequence many thousands of Jews were slaughtered. Historical research repeatedly revealed the unfoundedness of this accusation. During the Middle Ages many kings, popes, and princes preferred Jewish physicians. Apart from the consideration of professional skill, this preference was based on the conviction of these dignitaries that Jews would not dare to poison them by so-called medical procedures, since they would thereby bring down disaster upon their co-religionists. A Hebrew medical manuscript of the 13th century "Sefer Hayosher" (Book of Righteousness) urges Jewish physicians to excel in the careful medical treatment of gentiles (Friedenwald, H.: Jews and Medicine, Baltimore, Johns Hopkins Press, 1944, pp. 560, 661).

Finally I wish to comment on the second column of the paper, where the second paragraph refers to Hebrew literature. The drug dudaim (misprinted sudaim) in Genesis 30:14, is indeed Mandragora and was used as an aphrodisiac. The "bitter waters," Numbers 5:18, was used as an ordeal on mystic and not on toxicologic grounds. As to witches there is a general reference to them in Exodus 22:17 without any connection with the art of poisoning.

JOSHUA O. LEIBOWITZ, M.D.
Secretary of the Israel Society of the History of Medicine and Science
7 Solel Boneh St.
Jerusalem-Katamon, Israel.

ADVICE PRIOR TO MARRIAGE

To the Editor:—As an obstetrician and a gynecologist, I have a growing interest in better preparation for marriage among young people. Those of us who have long been in practice know of the number of couples who, finding their marriages going on the rocks, come to their doctors for help. If our young people had better instruction on the "facts of life" before they married, we would have fewer problems in marriage. The physician seldom has the two or three hours necessary to counsel premarital couples even if he were skilled in all phases of marriage. The Planned Parenthood Federation of America is one of the few agencies to which a physician can refer his premarital patients for broader education for marriage. Most of the larger cities have a program of education for marriage in conjunction with other Planned Parenthood services. For their addresses, one may write the Planned Parenthood Federation at 501 Madison Ave., New York 22, N. Y. The Roman Catholic church provides its young people with information in its pre-cana conferences. I am familiar with the course conducted by the Planned Parenthood Association in Chicago, at 203 N. Wabash Ave. A four-session course held weekly each month provides engaged and newly-wed couples with salient facts about marriage. Each two-hour session has a leader who discusses the physical, emotional, and spiritual aspects of marriage, as well as interpersonal relationships and money-management. In these sessions there is much give and take. Before the course is finished many questions have been answered and fears allayed. Patients are referred back to their physicians because one of the important features of the Planned Parenthood Association is not to interfere with the physician-patient relationship. The Planned Parenthood groups know they can not do the whole job. They encourage candidates for marriage to have complete physical examinations by their own physicians. They emphasize that the girls getting married should have a careful pelvic examination. Young people often feel that if they have the blood test required by law, that is all that is needed. Planned Parenthood encourages young people to seek the knowledge and understanding that lead to harmonious marriage. Unfortunately, physicians have neither the time nor the knowledge to cover all aspects of marriage. Education for marriage is a comparatively new service offered by Planned Parenthood Associations, and many physicians may not know of its existence. I should like to recommend that they inform prospective brides and grooms that this essential course is available.

J. P. Greenhill, M.D.
55 E. Washington St.
Chicago.

THE CADUCEUS

To the Editor:—The introduction of the caduceus as the insignia of the Medical Corps of the U. S. Army is not an error as stated by Dr. James E. Cottrell (*J. A. M. A.* **158:**1308 [Aug. 6] 1955). In a paper entitled "Medical Symbols and Medical Saints" published in Merck Report July, 1949, I stated that the most satisfactory explanation of how the staff of Mercury with its two wings and two serpents was ultimately chosen as the official insignia of the Medical Corps of the U. S. Army is contained in an article that appeared in the *Classical Journal* (vol. 25, 1929-1930) and which states that in 1909 the caduceus was introduced by Col. John R. van Hoff as a result of extensive studies of Babylonian mythology. Colonel Fielding H. Garrison, the well-known medical historian, became van Hoff's chief supporter in the use of the caduceus, especially after the publication of studies on the subject made by A. L. Frothingham in 1916, the results of which were fully set forth at that time in the *American Journal of Archeology*. Frothingham shows that the Greek god, Hermes, was an assimilation of the old Babylonian snake god, the awakener of life and vegetation and the master of the healing art. Hermes was the first to be represented with the caduceus, the first example of which is to be seen on a libation vase of about 3,500 B. C. found at Lagash in Mesopotamia. The snake god, messenger of the supreme goddess, Ishtar, also was the god of the treaties and their sanctity after wars and the god of the envoys designated as such by the caduceus, bringing peace and armistice messages to the fighting armies. They were protected against all harm by this insignia of their neutrality. Thus Colonel van Hoff suggested the use of the caduceus as the official symbol of the Medical Corps to stress the noncombatant status of that branch of the Army.

Walter K. Frankel, M.D.
Picatinny Arsenal
Dover, N. J.

DISPOSAL OF DRUG SAMPLES

To the Editor:—In The Journal, June 4, 1955, page 424, in the Correspondence section are letters concerning discarding of drug samples. I have found the Society of St. Vincent de Paul to be my salvation. This society will call for and take clothing, furniture, books, magazines, and even bedding. These things are used for such purposes as family relief, vacation equipment for poor children, Christian burial of unclaimed bodies of Catholic faith, care of seamen, visitation of sick in hospitals, and juvenile crime prevention. For some years I have collected samples of drugs and kept them in a carton that, when filled, is picked up by the society. I notify this agency either by telephone or postcard, the latter incidentally being supplied by the society. Apparently some of this material is used in behalf of a hospital that the society conducts. It contains 250 beds and is for children, many of them foundlings. Some children are adopted; the remainder are kept indefinitely. The hospital, St. Vincent's, sorts out that which can be used and burns or disposes of the remainder. I refer to my own experience simply with the thought that other doctors may find similar institutions in their own locations that may be able to use the samples and other material not desired by the physician.

John L. Redman, M.D.
331 S. 18th St.
Philadelphia 3.

RETIREMENT FOR DOCTORS

To the Editor:—Several months ago, I proposed a plan for retiring doctors that was published in the Correspondence section of The Journal (**158:**216 [May 21] 1955). The response from many doctors was very encouraging. Some have suggested that the American Medical Association should undertake to promote it. I am informed that it is against the principles of the American Medical Association to assume financial responsibilities for such enterprise. Therefore, it will have to be promoted by the doctors themselves as a private organization. I realize that this is a great undertaking with many responsibilities and will require the help of many men. If all those interested in furthering the project would be kind enough to send me their names and addresses, and if possible, their willingness to take an active interest, we could then arrange a time and place for a meeting, elect officers, and formulate plans for its development.

John Peters, M.D.
715 Lake St.
Oak Park, Ill.

CHLORPROMAZINE DERMATITIS

To the Editor:—Considerable amounts of chlorpromazine are used in this hospital, and there has been one severe case of dermatitis in a nurse who handled this material. Treatment was instituted after the allergy first became apparent, and she returned to work using the recommended precautions of gloves and other routine care. Even this exposure was too much for her, however, and she developed a generalized dermatitis requiring hospitalization and two months' loss of work after being exposed only to the fumes from broken vials of this material. We are now following the practice of relieving any nurse or any attendant following the slightest allergy to this material completely from all further contact.

M. M. Campbell, M.D., Superintendent
Eastern State Hospital
Medical Lake, Wash.

MEDICAL LITERATURE ABSTRACTS

INTERNAL MEDICINE

Rheumatic Fever Activity Determination by Two Correlative Methods. R. K. Skillman, W. Spurrier, I. A. Friedman and S. O. Schwartz. A. M. A. Arch. Int. Med. **96**:51-60 (July) 1955 [Chicago].

Skillman and associates show that the principle of the antigen-antibody reaction has been the basis for numerous tests to identify infectious diseases. It has also been shown that erythrocytes that have been coated with an antigen are agglutinated when antiserum prepared from this coating antigen is added. When complement is added to this system, under certain conditions, hemolysis occurs. Because rheumatic fever is associated with tissue reaction to group A beta-hemolytic streptococci, the studies described aimed to determine whether a means of identifying a specific bacterial antigen, or antibodies elicited by it, could be the means of ascertaining rheumatic fever activity. Two methods of determination were employed. In one method, serum of rheumatic fever patients was used as the antibody source; sheep red blood cells, coated with heat-killed group A beta-hemolytic streptococci, which had been isolated from active rheumatic fever patients, were used as the antigen source; complement was added to produce hemolysis. The other method utilized group A beta-hemolytic streptococci antiserum obtained from rabbits as the antibody source; erythrocytes of rheumatic fever patients, exposed to the antigen for coating in vivo, were used in an agglutination test as the antigen source. In most instances the hemolysis method, using patients' serum as the antigen source, was found to be somewhat more sensitive; in both methods, treating erythrocytes with papain was found to enhance the reaction. Control studies of 77 varied patients, including those from whom alpha-hemolytic and beta-hemolytic streptococci were isolated, showed no instances in which other disease processes interfered with either test method. This would indicate an excellent specificity of these tests in active rheumatic fever. Clinical correlations were obtained for 78 rheumatic fever patients, most of whom were tested at intervals of the disease process. The titers in both test methods were elevated within the first few days of the active process in most cases, and they then gradually subsided and disappeared as the process became inactive. The results also indicated an excellent correlation between the test results and the clinical status of the disease, although the height of the titer was not indicative of the severity of the process. The authors conclude that these methods are of practical value in ascertaining activity or quiescence of a rheumatic fever process, as well as in distinguishing rheumatic fever from other disease processes.

Pulmonary Embolism: A Review with Emphasis on Clinical and Electrocardiographic Diagnosis. S. Krause and M. Silverblatt. A. M. A. Arch. Int. Med. **96**:19-25 (July) 1955 [Chicago].

The autopsy incidence of pulmonary embolism is much higher than that anticipated by clinical diagnosis. The authors reviewed the cases of pulmonary embolism that occurred at Montefiore Hospital during the past five years. Of 67 records examined, the authors selected 62, because in 5 the data were inadequate. Autopsies were performed in 33 of the cases. Twenty-nine patients recovered. There were 49 medical cases and 13 surgical. Of the 33 autopsied cases (25 medical and 8 surgical), only 9 were correctly diagnosed before death. With regard to the pathological aspects, the authors differentiate two types of pulmonary embolism: (1) massive, fatal pulmonary embolism without pulmonary infarction and (2) pulmonary embolism with pulmonary infarction. In fatal pulmonary embolism without pulmonary infarction, the main stem of the pulmonary artery and the larger branches are blocked by a clot that is twisted, cylindrical or thickened, fragmented or intact, and varying in length from 15 to 30 cm. The cylindrical clots originate in the femoral and external iliac veins. Because death is usually sudden, there is inadequate time for pulmonary infarction and secondary pathological changes to develop. The lungs are only slightly edematous and hyperemic. The right ventricle is usually dilated. Infarction of the lung secondary to pulmonary embolism was observed in 24 of the 33 autopsied patients. Usually the infarct is pyramidal or wedge-shaped, with its base directed pleurally and its apex at the site of vascular occlusion. The very fresh infarctions are not so sharply defined. During the first few days, the infarct is pink and soft. Later the infarcted area becomes progressively firm and dark until organization is completed. A region of fibrinous pleuritis, resulting in fibrous pleural adhesions, often marks the site of a previous pulmonary infarction. Many infarcts apparently disappear, but, if the lung is carefully inflated and diligent search made, small peripheral scars often indicate the site of the old pulmonary infarction. The incidence of signs and symptoms of pulmonary embolism are recorded as follows: apprehension and related mental symptoms were observed in 60, pulmonary infarction in 58, peripheral circulatory collapse in 50, and failure of the right side of the heart in 45 patients. The authors feel that a high index of suspicion is the first prerequisite for diagnosing pulmonary embolism. Physicians should be especially aware of the frequency of pulmonary embolism as a complication of congestive heart failure. Apprehension, anxiety, and their concomitants should be considered "premonitory" symptoms of pulmonary embolism. These warning signs, often confirmed by early electrocardiographic studies, should lead to vigorous prophylactic treatment. The electrocardiogram may be diagnostic or suggestive of pulmonary embolism when physical signs are absent. The authors feel that in the future, with improved techniques, it may often become possible to remove an obstructing embolism from the main pulmonary artery.

The Effect of Corticotropin and Cortisone on Respiratory Function in Bronchial Asthma. T. W. Fyles, J. A. P. Pare and B. Rose. J. Allergy **26**:340-358 (July) 1955 [St. Louis].

Eight patients with bronchial asthma were selected at random and were hospitalized for two weeks at the beginning of the study. A complete medical and allergic work-up was done, including skin tests, hemogram, roentgenograms of the chest and sinuses, excretion of urinary steroids, and pulmonary function tests. After a control period during which treatment was limited to providing symptomatic relief, treatment with corticotropin was started. The patients were then discharged and treated with cortisone given orally, returning at frequent intervals for repeat pulmonary function tests. The pulmonary function tests included vital capacity and its subdivisions, maximum breathing capacity, residual volume, and the index of intrapulmonary mixing. Duplicate determinations of the functional residual volume were made and results were not accepted if there was a difference in excess of 3% of the mean values. These results were compared with predicted normal values for each patient. The degree of improvement seen in the pulmonary function of the eight patients was variable but striking; four patients showed normal pulmonary function at the end of the study; three were normal with the exception of an elevated residual volume; and one showed no change. In three patients in whom the residual volume remained elevated, symptoms of asthma were only in-

The place of publication of the periodicals appears in brackets preceding each abstract.

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completely relieved. It was found that there was a rapid improvement in the vital capacity, maximum breathing capacity, and index of intrapulmonary mixing with treatment, but the residual volume required somewhat longer periods of therapy to return to normal. It is believed that the changes in pulmonary function found in bronchial asthma are due to hyperinflation of the lungs occasioned by the bronchospasm encountered in this disease and that, with treatment sufficient to completely remove the bronchospasm, these changes are reversible.

Regressive Gigantic Bullous Pulmonary Emphysema in Tuberculosis of Adults. D. G. Alarcón. Gac. méd. México **85:**73-86 (Jan.-Feb.) 1955 (In Spanish) [Mexico, D. F., Mexico].

Formation of gigantic pulmonary air bullae complicating isoniazid therapy, alone or in association with streptomycin and *p*-aminosalicylic acid, may develop in patients with severe forms of pulmonary tuberculosis, frequently bilateral. This complication has the following characteristics. A rapid clinical favorable response and radical clearing of the exudative and caseous pulmonary lesions observed in the roentgenogram follow the treatment. The cavities and potential pulmonary tuberculous lesions that show as dark spots in roentgenograms taken before the treatment are substituted in posttreatment roentgenograms by gigantic and small air bullae respectively. The bullae are delimited from one another by an extremely fine wall. They grow in large numbers and in groups during the stage of total removal of intracavitary material by isoniazid. Later, they diminish in size and many of them disappear. The air passes freely from the bronchi into the bullae. It can be observed in resected specimens of the lung involved by this complication that cavities turned into air bullae are deprived of intracavitary epithelium, which is replaced by a fine layer of connective cells. The pleural space is occluded. A man with a roentgen diagnosis of a severe form of pulmonary tuberculosis with cavitation was given four doses of Friedmann's vaccine and a total dose of 15 gm. of isoniazid, which was taken at irregular intervals for a period of time not precisely stated. A marked temporary improvement was followed by aggravation, during which a large number of air bullae were seen in the roentgenogram. The treatment consisted of streptomycin, isoniazid, and *p*-aminosalicylic acid in daily doses of 1 gm., 300 mg., and 12 gm., respectively, for the period of regression of the air bullae, about three months, in association with vasodilating drugs. After regression of air bullae, the doses of the drugs were diminished and given at longer intervals until clinical and bacteriological cure of the patient was effected. The author believes that formation of air bullae in the lung depends on several combined factors: (1) destruction of an area of the alveolar parenchyma, even if minimal; (2) free passage of air from the bronchi into the cavity or potential lesion by suction of the involved parenchymal area due to diminished expansion of the lung; and (3) perilesional and bronchial vascular spasm elicited by a sympatheticotonic action of isoniazid. Restoration of bronchial and pulmonary circulation favors regression of the air bullae. Prevention consists in giving isoniazid after a preliminary course of treatment with streptomycin and *p*-aminosalicylic acid and in administering vasodilating drugs in the course of isoniazid therapy. In the case reported by the author, the Friedmann's vaccine seems to have elicited a multiple focal necrotic reaction of pulmonary tuberculous tissues that potentiated the local ischemic action of isoniazid with consequent formation of the bullae.

The Diagnosis of Esophageal Carcinoma by Exfoliative Cytology, Including Two Cases of Cardiospasm Associated with Carcinoma of the Esophagus. M. I. Klayman. Ann. Int. Med. **43:**33-44 (July) 1955 [Lancaster, Pa.].

Forty patients in whom pathological lesions of the esophagus were suspected underwent cytological examination by lavage with isotonic solution of three chlorides (Ringer's solution) using a Levin tube. Of the 40 patients, 20 had malignant growths, proved histologically in 18 and by surgical exploration in 2. According to roentgenologic findings, 13 of the 20 patients had malignant lesions, in 4 the roentgen diagnosis was doubtful, and in the remaining 3 the roentgen diagnosis was that of a nonmalignant growth. Esophagoscopic examination revealed malignant lesions in 15 of the 20 patients, and biopsy indicated malignant lesions in 12. In 19 of the 20 patients a correct diagnosis of malignancy was made with the aid of cytological examination using Rubin's modification of the Papanicolaou staining procedure. There were no false-positive cytological reports. It would appear from these observations that exfoliative cytology can detect carcinoma of the esophagus accurately and in cases in which radiology and esophagoscopy fail. Case summaries are presented of three of the patients with esophageal carcinoma that demonstrate clearly the contribution of exfoliative cytology in detecting unsuspected malignancy of the esophagus. Two of these three patients, a 55-year-old woman and a 68-year-old man, both of whom had cardiospasm, were treated for years by dilatations. In the case of the woman, the clinical course did not conform with that of most patients with esophageal carcinoma, and exfoliative cytology was the only diagnostic method that identified the malignancy. Although malignancy was suspected clinically in the man, the first objective evidence of its presence was gained by cytology. Exfoliative cytology in addition to radiographic and esophagoscopic examinations for the detection of malignancy should be performed annually and with each exacerbation of symptoms in patients with cardiospasm. The third patient, a 69-year-old man, presented the problem of differential diagnosis of jaundice. In view of the absence of esophageal symptoms and negative roentgenograms, a bile duct carcinoma was considered most likely. It is noteworthy that malignant cells were recovered from an unanticipated carcinoma of the esophagus. Although the patient was asymptomatic, metastases to the mediastinal nodes had developed. Benign lesions of the esophagus were found in 20 of the 40 patients, and all were correctly reported on the basis of cytological examinations.

Partial Eventration of the Right Diaphragm (Congenital Diaphragmatic Herniation of the Liver). A. Vogl and A. Small. Ann. Int. Med. **43:**61-82 (July) 1955 [Lancaster, Pa.].

The occurrence of partial eventration of the right diaphragm with herniation of the liver is reported in three men between the ages of 62 and 78 and in three women between the ages of 49 and 63. In five of the six patients the more common type of partial eventration was observed with involvement of the anteromedian part of the right diaphragm. The following characteristic radiological features were found in these five patients. On fluoroscopy a semicircular or semioval, homogeneous, nonpulsating shadow of soft tissue density was seen in the right lung field, arising from the median portion of the diaphragm with a broad base or pedicle. It was situated close to the right cardiac border and filled the cardiophrenic angle. It became more prominent on deep inspiration when the lateral and dorsal portions of the diaphragm moved downward, while the convex segment either remained at the same level or perhaps even moved upward (paradoxical motion). The mass varied in size from that of an orange to that of a grapefruit. Radiographic studies demonstrated the location of the mass, its homogeneous nature, the sharp, convex, occasionally slightly scalloped outlines, and its continuity with the liver shadow. The sixth patient had the less common form of partial eventration in which the central portion of the right diaphragm is involved. The radiological findings were the same as in the other five patients except for the location of the masses atop the dome of the hemidiaphragm. These observations are virtually diagnostic of partial eventration of the right diaphragm with herniation of liver into the diaphragmatic pouch ("superior accessory lobe" of the liver). If unequivocal confirmation of this diagnosis is desired, it may be obtained by intraperitoneal insufflation of 250 to 1,000 cc. of air, which produces separation of the diaphragm and the liver by a translucent zone of gas. Although artificial pneumoperitoneum was carried out in four of the authors' patients, it must not be considered a routine diagnostic procedure for this type of condition, since simple fluoroscopic and radiographic examination will permit a reasonably certain diagnosis in most cases. Partial eventration of the right diaphragm was observed by other workers in adults and in children. The authors' observations corroborated the impression of others that, as a rule, the condition is an incidental finding, entirely innocuous and not the cause of symptoms. It is therefore almost invariably

detected during a routine examination or in the course of investigations of symptoms caused by some other disease, such as ovarian carcinoma with widespread metastases or chronic duodenal ulcer in two of the authors' patients. Aplasia of the diaphragmatic muscle in an area derived from the embryonic septum transversum is offered as a possible explanation for the more common type of hernia of the right diaphragm that is known to exist at birth and is found regularly at the same location. The term congenital diaphragmatic herniation of the liver is suggested as most appropriate for the condition.

Medical Treatment and Prognosis of Ulcerative Colitis. A. Fieschi and F. Cuneo. Minerva med. **46**:1171-1174 (April 25) 1955 (In Italian) [Turin, Italy].

The causative factor of ulcerative colitis is still unknown, and attempts to reproduce the condition experimentally have failed. Its frequent association during the last years with allergic states and the prompt, though transitory, response to cortisone and corticotropin therapy seem to support the theory of its being a phenomenon of local hypersensitivity of the Schwartzmann type. Because of its unknown etiology, treatment has to be symptomatic and individualized. General treatment includes blood transfusions, which in some instances are extremely useful, and the administration of liver extracts, liver-protecting preparations, amino acids, insulin, and multiple-vitamin preparations. Complete rest in bed and hospitalization are necessary during the acute phase of the disease, and in severe cases the diet should be integrated with the intravenous administration of amino acids and sugars. Antibiotics and sulfonamides should be used with caution, in order not to modify too markedly the normal bacterial flora of the intestine. The therapy should be discontinued only if a true improvement in the number and character of movements and in the general condition is observed. Oral administration of antibiotics may cause severe damage, such as manifestations of hemorrhagic enteritis, and the eventual formation of resistant strains. Clinical improvement has been obtained with cortisone and corticotropin, but it was not accompanied by adequate anatomic modifications, and in most instances the remission was partial and transitory only. In severe cases the administration of corticotropin may cause peritonitis owing to intestinal perforation. Better results have been obtained with sulfonamides. Recently salicylazosulfapyridine (Azulfidine) has proved greatly beneficial in average doses of 1 gm. given orally four to six times daily. In many cases, psychotherapy can be extremely useful, although it has never resulted in complete recovery. Prognosis of the medical treatment of ulcerative colitis depends on the remissions that are obtained. In general, the results are not too encouraging and no particular drug has proved especially beneficial. If a remission is followed by repeated acute and severe relapses, the prognosis is poor, medical treatment should be discontinued, and surgery should be resorted to.

Use of Fructose in Diet and Treatment of Patients with Diabetes Mellitus. R. Klinger and P. Dalle Coste. Minerva med. **46**:1389-1392 (May 16) 1955 (In Italian) [Turin, Italy].

The utilization of fructose by patients with diabetes mellitus was studied by (1) administering both fructose and glucose to a group of patients and comparing the blood sugar levels and the urine values of the two substances; (2) adding a certain quantity of fructose to the diet of the patients and administering insulin in fixed doses; (3) substituting carbohydrates of the standard diet with fructose; and (4) resubstituting the fructose, after several days of administration, with carbohydrates. The results indicated that fructose is utilized very rapidly by the patients even after a prolonged administration of large doses of it. However, it is utilized by these patients at a much slower rate than it generally is by healthy persons. It is useful in large amounts if it is given in divided doses in addition to, or as a substitute for, other carbohydrates. It results in weight gain, decrease of the patient's need for insulin, and improvement in his general metabolic condition. Its administration can be a true therapy for patients with conditions secondary to diabetes mellitus (acidosis and renal and myocardial impairment) as well as for those with intercurrent diseases, when diet and drugs are not beneficial. In such instances the intravenous route of administration can be used, because large quantities of sugar can thus be given, provided the rate of administration is checked to avoid reaching the renal threshold too quickly. The results of this series of studies indicated that fructose, which is easy to administer and definitely devoid of dangers, is useful for patients with diabetes mellitus.

Comparative Life Expectancy of Hypertensive Patients with Surgical and Conservative Therapy. K. G. Pfeffer, H. Nieth and H. Schneider. Deutsche med. Wchnschr. **80**:956-958 (June 24) 1955 (In German) [Stuttgart, Germany].

The authors compared the length of survival five or more years after operation in 206 hypertensive patients who underwent sympathectomy with that in 306 patients who received conservative treatment, that is, a diet with a restricted salt content, sedatives, and blood-pressure–reducing drugs. As regards the severity of hypertension the following groups were differentiated. Those of group 1a had relatively slight increases in the systolic and diastolic pressures, the eyeground changes were slight, there were no cerebral changes, and the renal function was normal. In those of group 1b the systolic and, particularly, the diastolic pressure showed a more pronounced increase, and there were circulatory disturbances particularly in the eyegrounds and in the brain. Group 2a included the hypotensive patients with arteriosclerotic changes (sclerosis of the central arterial system, with apoplexy, coronary sclerosis, and aortic sclerosis). Group 2b included those with malignant hypertension with or without renal impairment and with progressive functional and organic changes in the arterial system. The late phases of malignant hypertension with renal insufficiency were classified as group 2c. The results of sympathectomy were especially favorable in the early forms of so-called malignant hypertension (group 1b), that is, of 39 who were subjected to sympathectomy, 36 were still alive after five years, whereas, of 56 patients with this form of hypertension who received conservative therapy, only 32 were alive after that period. Similar differences were observed in the more advanced forms of malignant hypertension (group 2b). More than a third of those treated surgically but only about a sixth of those treated with conservative measures survived more than five years. Surgery did not, however, improve the life expectancy of patients with the late forms of malignant hypertension. Sympathectomy produced no improvement in the patients with advanced sclerosis of the vessels. Uremia was the cause of death less often in those who had undergone sympathectomy than in those who had received conservative measures.

Essential Hyperlipaemia. R. A. Joske. M. J. Australia **1**:826-831 (June 4) 1955 [Sydney, Australia].

Joske reviews the literature on essential hyperlipemia and presents the clinical features of seven additional patients, one man and six women, whose ages ranged from 30 to 63 years. Five patients had a family history of cardiac disease and one of cholelithiasis. Skin nodules were present in four patients and tendon nodules in one. Four patients had hepatomegaly and one splenomegaly, while five had pancreatitis and two had cholelithiasis. Vascular disease was present in two patients, one of whom developed status anginosus. One patient had probable pituitary lesions and mild diabetes mellitus. All patients had persistent hyperlipemia, although its degree varied greatly. Four patients also had hypercholesteremia. Treatment by a diet of low-fat content did not invariably reduce the blood lipid content. A prolonged course of heparin treatment in one patient with status anginosus affected neither the clinical nor the biochemical findings. Essential hyperlipemia is considered to be a genetically determined anomaly of metabolism, manifested by a family history of vascular disease, pancreaticobiliary disease or diabetes mellitus. The clinical symptoms include xanthomas of skin or tendons, particularly xanthelasma; variable hepatosplenomegaly; pancreatitis; cholelithiasis; atherosclerosis; and diabetes mellitus. Biochemical investigation shows persistent hyperlipemia due to an increase of neutral fats and sometimes of cholesterol and phospholipids. Treatment at present is dietetic and symptomatic, but its efficacy is not certain.

Leptospirosis in Israel: Clinical Forms and Problems of Treatment. K. Marberg. Harefuah **48:**235-240 (June 1) 1955 (In Hebrew, English Abstract,) [Jerusalem-Tel Aviv, Israel].

A study of 196 cases of leptospirosis observed in Israel during the last five years gave the following results: 95% of the cases were caused by Leptospira grippotyphosa and 5% by Lept. canicola. Jaundice appeared in 70% of all cases. This contrasts with the anicteric course of leptospirosis due to Lept. grippotyphosa in Europe. The local disease is therefore more similar to classical Weil's disease. Icterus was present in 45% of the small group of Lept. canicola cases. Renal symptoms were found in 50% of the cases and in one-third the full hepatorenal syndrome appeared. Only a few meningeal cases were observed, among them three cases of primary aseptic meningitis. The disease was not very severe. The single fatal case was due to Lept. canicola. Antibiotic therapy with penicillin, aureomycin, and terramycin did not give clear-cut results, although in certain severe cases terramycin appeared to shorten the febrile period. Patients with severe hepatorenal disturbances require therapy of lower nephron nephrosis.

Case of Favism. N. A. Bolt. Nederl. tijdschr. geneesk. **99:**1651-1655 (June 4) 1955 (In Dutch) [Haarlem, Netherlands].

Bolt presents the history of a 3-year-old boy, whose mother noted one day that he became very quiet, though ordinarily he was lively, that his skin was yellow, and that he became drowsy and fell asleep. He was fed on awakening but he vomited, and his urine was brownish-black. Abdominal pain developed and recurred after another period of sleep. Examination suggested a sudden severe hemolysis. Poisoning, possibly with the insecticide parathion, was thought of, but the clinical picture differed from parathion intoxication. After a transfusion of 300 cc. of blood and other measures, the boy recovered. The true cause of the hemoglobinemia and hemoglobinuria was not ascertained until the author read A. H. Becker's report (*J. A. M. A.* **155:**1158 [July 24] 1954) on the treatment of favism with cortisone. It was then recalled that fava beans (Vicia faba) were among the foods consumed by the child before the onset of his illness and that his symptoms corresponded to those of favism, which is an allergic form of hemolytic anemia caused by contact with the pollen, or by ingestion of the seed, of the fava bean.

SURGERY

Experiences with the Beck Operation for Coronary Artery Disease. M. W. Selman. Dis. Chest **28:**1-20 (July) 1955 [Chicago].

Experiments carried out on dogs provided ample evidence that the Beck 1 operation will protect the heart against death from ventricular fibrillation and will prevent ischemic areas responsible for angina. The Beck 1 operation is a one stage procedure that consists of four steps: (1) partial ligation of the coronary sinus; (2) abrasion of the epicardium and pericardium; (3) application of asbestos powder over the surface of the heart; and (4) approximation of a pedicle of mediastinal fat to the heart. Selman participated in the performance of this operation by Beck on 31 consecutive patients with coronary artery disease. There were no operative or immediate postoperative deaths. Of 32 consecutive patients who underwent this operation and were followed up postoperatively for at least six months, the cardiac status was excellent in 10 who were able to perform full-time work with little or no pain; the cardiac status was good in 12 who were able to perform full-time or part-time work with significant reduction in pain; 6 patients were able to perform more work than before the operation with some diminution of pain; and 4 patients were therapeutic failures. The fact that 87.5% of the patients operated on were improved and 69% had obtained excellent or good results shows the effectiveness of the operation. The number and size of myocardial infarcts after coronary occlusion were significantly reduced in dogs protected by the Beck 1 operation. The Beck operation cannot stop degenerative and occlusive disease in the coronary arteries. The Beck procedure cannot restore degenerated myocardium and is therefore contraindicated in patients in whom destruction of the myocardium from infarcts has resulted in myocardial failure. The occlusive coronary artery disease may be so rapidly progressive that it overtakes the benefit derived from the operation. The Beck operation results in an increase in the intercoronary and extracoronary communication, thereby augmenting the natural tendency of the heart to increase blood supply to the myocardium following coronary occlusion or narrowing. There is ample experimental and clinical evidence to warrant the widespread application of the Beck operation to properly selected patients with coronary artery disease.

Factors Influencing the Late Results of Mitral Valvuloplasty for Mitral Stenosis. L. B. Ellis and D. E. Harken. Ann. Int. Med. **43:**133-142 (July) 1955 [Lancaster, Pa.].

Of 500 patients undergoing mitral valvuloplasty for predominant mitral stenosis without important associated disease, 13 had been classified as group 2 patients who had some impairment of function, usually dyspnea, which was not progressive; 342 were group 3 patients with chronic dyspnea or repeated attacks of acute dyspnea or pulmonary edema; and 145 were group 4 patients most of whom had had chronic congestive failure. Patients who presented a murmur of mitral stenosis but had no significant symptoms were classified as group 1 patients and were not subjected to valvuloplasty. There were 58 operative deaths. The operative mortality in groups 2 and 3 is now less than 3% and appears to be below 1%. It is 20% in group 4. Two patients were lost to follow-up, and 440 were followed up for an average of 22 months. Of the 440 patients, 343 (78%) showed significant and usually persistent improvement. The factors that led to less good results were (1) age over 40; (2) auricular fibrillation; (3) associated aortic valve disease; (4) associated mitral insufficiency of moderate degree or more; (5) a preoperative valve size of more than 1 square centimeter; (6) a postoperative valve size of less than 2.5 square centimeters; and (7) calcification of the mitral valve. Even in the less successful categories the over-all results were still good in most of the patients. Poor late results occurred in direct proportion to the number of adverse factors present. Mitral valvuloplasty appeared to protect against late peripheral embolization, although the incidence of operative emboli was somewhat greater in patients who had had previous emboli than in the group as a whole. Good end-results depend on intelligent and careful selection of patients and on the quality of the valvuloplasty performed by the surgeon.

Pulmonary Resections in the Light of Functional Tests. G. Vargha. Ztschr. Tuberk. **106:**154-161 (No. 3) 1955 (In German) [Leipzig, Germany].

Pulmonary resections produce irreversible changes, and it is essential that as much functioning tissue as possible be preserved. The author surveys the functional factors that must receive attention in pulmonary resections, discussing these factors on the basis of literature reports and of his own observations. He investigated the respiratory capacity before operation, during the postoperative period, and after the respiratory function had become stabilized again. In more than 200 preoperative examinations and in 100 control tests after resections, he found that pneumonectomy reduced the vital capacity by an average of 13% and the maximum breathing capacity by 10%. Lobectomy reduced the vital capacity by 7% but did not alter the maximum breathing capacity. Segmental resection caused on the average an 8% reduction in vital capacity and a 1% reduction in the maximum breathing capacity. The author also found that complications caused a much greater impairment in pulmonary ventilation than is indicated in the average values. When, after ineffective collapse therapy, lobectomy was combined with decortication or when a lobe was resected that contained a residual cavity, then lobectomy produced only a minimal loss in ventilatory capacity, or it even improved ventilation.

Cavernolithiasis. K. Kivikanervo, H. Laitinen and M. Wäre-Niskanen. Ann. chir. et gynaec. Fenniae **44**:1-9 (No. 1) 1955 (In English) [Helsinki, Finland].

In the course of radiological examinations carried out at their clinic, the authors discovered three patients whose lungs exhibited sharply outlined opacities of varying sizes and shapes. In two patients the opacity was within a tuberculous cavity, and in the third, the fragment had apparently moved from the cavity into the communicating bronchus and had become wedged there. The authors designate these fragments cavernoliths, a term used by Cooley in 1953. The authors were able to find only one other report on this condition besides Cooley's, that by Nagel and Hoppe in 1954. Cooley believed that cavernoliths are due to the eruption of parenchymal, caseous, and partly calcified foci into a bronchus; a cavity is formed and larger calcified fragments, which do not pass through the bronchus, remain in it. The authors are inclined to think that the formation of cavernoliths can also take place later, as a result of calcification of pus inside an open cavity. It has also been suggested that cavernoliths may simply be Simon's foci remaining within the cavity after the destruction of the surrounding pulmonary parenchyma. The authors feel that one of their cases indicated such a causation. As regards the diagnosis, they found that laminograms provided a good view of the cavernoliths. Their own experience with collapse therapy (thoracoplasty in two cases and pneumothorax in another) convinced them that complications are likely to result. They agree with Cooley that resection is the only therapeutic measure promising satisfactory results.

Surgical Considerations in Pulmonary Coccidioidomycosis: Report of 100 Cases. B. H. Cotton, G. A. Paulsen and J. W. Birsner. Am. J. Surg. **90**:101-106 (July) 1955 [New York].

Complications of pulmonary coccidioidomycosis are now a problem throughout the nation. During the second World War and during the Korean War, millions of troops were in endemic areas, and there has been a rapid postwar expansion of populations in endemic areas. The following complications of pulmonary coccidioidomycosis may occur as sequelae of the acute infection: extreme hilar adenopathy, coccidioma, pleural effusion, bronchiectasis, fibrosis, cavitation, and dissemination. One of the authors reviewed 750 cases of pulmonary coccidioidomycosis, nearly all of which were observed during the past decade in Kern County, Calif. Surgical treatment was employed in 100 of the 750 patients. From medical observation on these 100 patients, endoscopic examinations, surgical findings, and reviews of pathological specimens, the authors evolved the following indications for operations: (1) giant cavity; (2) secondarily infected cavity; (3) check-valve cavity; (4) ruptured cavity (pleural effusion, spontaneous pneumothorax, empyema, bronchopleural fistula, nonexpansile lung); (5) coccidioma; and (6) continued or severe hemoptysis. The authors comment on these different indications. Once the acute phase of the disease has passed, the risk of dissemination following surgery is almost negligible. The authors have seen cavities close during the first six month period but never after six months, and so they believe there should be a six month interval between resolution of the acute stage and surgical treatment. Attempts are made to localize the cavity before operation in order to ascertain whether or not localized resection will be possible or whether lobectomy will have to be performed. A bronchogram is always done next, for in many cases bronchiectasis was found associated with the cavity or within the area of infection. After the bronchographic examination, the authors wait six weeks before resorting to surgical treatment, which is carried out in the same manner as for other pulmonary lesions. The diagnosis was always confirmed either before or after the operation by one or more of the following procedures: complement fixation test, sputum examination, culture, animal inoculation, or histological examination. The operation was successful in all but three of the patients. One patient died during the postoperative period, and in two patients further cavities developed, which required second operations. One patient's second cavity was of tuberculous origin. The other patient's was coccidioidal; apparently either a small cavity was missed at the time of surgery or a small coccidioma "shelled out" to become a large cavity. It may prove easier to make a diagnosis of coccidioidomycosis in vivo than by examination of the pathological specimen. The coccidioidal cavity allows recovery of spherules from the sputum during the acute phase of the disease, but it may lose its identity due to superimposed infection by tubercle bacilli or pyogenic organisms. "Masking" of this type may explain pathologists' reports of a "granuloma of unknown etiology." The authors feel that resection for pulmonary coccidioidomycosis may prevent death and is effective in arresting the disease process. The decision to resort to surgery should be based on mechanical considerations, with complete disregard for the etiological agent, Coccidioides immitis. The coccidioidal cavity is, like lung abscess or bronchiectasis, an operable condition.

Pulmonary Histoplasmosis. T. F. Puckett. Am. J. Surg. **90**:92-100 (July) 1955 [New York].

Histoplasmosis is a highly infectious mycosis caused by Histoplasma capsulatum and presents a variety of clinical, pathological, and roentgenologic manifestations. The usual route of infection is the respiratory passage giving rise to primary foci within the lungs. Histoplasmosis has a tendency to occur in epidemics following exposure in heavily contaminated areas by groups of persons. There is evidence that a chronic active form of pulmonary histoplasmosis exists that closely mimics pulmonary tuberculosis. Some of these cases may be reinfection histoplasmosis. Chronic pulmonary histoplasmosis is intermediate between uncomplicated primary histoplasmosis and widely disseminated histoplasmosis. It is also the form that appears to be amenable to surgical therapy. The series reviewed consists of 67 patients from which pulmonary tissue, hilar nodes, or both were removed and H. capsulatum identified in the resected material. The disease process seemed to have become stabilized in all these patients and is probably best classified as healed or healing primary histoplasmosis. All patients had a history of residence in endemic areas, and almost half were in the age group 21 to 30 years. Many were admitted to an Army hospital with a diagnosis of "tuberculoma" and others with "coin lesion" of the lung. A presumptive diagnosis of histoplasmosis was made in several patients who were asymptomatic and were positive reactors to intradermal histoplasmin and negative reactors to intradermal coccidioidin and tuberculin. There were 31 patients who were completely asymptomatic and in whom the lesions were found by routine chest roentgenograms taken for reenlistment, annual physical examinations, or in connection with investigation of complaints other than those referable to the pulmonary system; 8 patients complained of malaise, easy fatigue, and weight loss; 8 had blood-streaked sputum; one had two bouts of hemoptysis; 8 had fever associated with symptoms referable to the upper respiratory tract; 10 complained of transient pleural pain; 15 estimated their onset to coincide with a rather mild but prolonged upper respiratory infection; 5 presented the typical symptoms and clinical findings of a middle lobe syndrome; and in 4 patients the lesions were incidental findings in pulmonary tissue removed for the treatment of other conditions. Complement fixation tests were negative in 15 of 30 patients, and the collodion agglutination test was negative in 23 of the same 30 patients. The intralobar location of the lesion was ascertained in 64 of the patients. This author had previously mentioned the difficulties in identifying H. capsulatum in focalized lesions, and on the basis of further studies he emphasizes that organisms cannot be identified in necrotic foci when sections are stained with hematoxylin and eosin. The periodic acid-Schiff stain as modified by Kligman and Mescon has proved to be a most satisfactory procedure. Unfortunately, it is not specific for cytoplasm and it is therefore frequently necessary to use the oil immersion lens for confirmation, as concretions, cellular inclusions, and other artifacts may simulate H. capsulatum. A complete history and the response to intradermal antigens should be known when tissues from granulomatous lesions are examined. Classically, H. capsulatum has been described as an intracellular inhabitant, but that is not the case with organisms found in the central necrotic portions of granulomas. In the older lesions the organisms may assume a somewhat atypical morphology, and attempts to cul-

ture them from resected lesions have been disappointing. The author believes that the organisms in the stabilized residual foci are generally nonviable.

Bilateral Resection Therapy in Pulmonary Tuberculosis. J. K. Kraan. Dis. Chest **28:**44-58 (July) 1955 [Chicago].

The author subjected 14 patients with bilateral pulmonary tuberculosis, in whom the disease was confined to at most two segments of each lung, to bilateral resection. The first operation was carried out on the side on which there was the least risk of loss of function. Should a complication arise in the second operation, the danger for the patient would thus be minimal. Surprisingly good results were obtained with bilateral resection in the first six patients, who have resumed their occupations after eight months of postoperative treatment in the sanatorium. These were all young persons between the ages of 21 and 31, who, even though their tuberculosis was only slightly active, were socially incapacitated because of the presence of tubercle bacilli in their sputum, as was revealed by preoperative weekly examinations of their expectoration. It is impossible to say with absolute certainty that they are permanently cured, but this is true for every recovered tuberculous patient. The most important tuberculous foci have been removed, and it is to be expected that, with prolonged after-treatment and a sensible way of living, they have a reasonable chance of gaining the fight against the pathogenic agent with their own defense powers. It was of great importance that the resection was always as selective as possible and that it was always possible to carry out segmental resection except in one patient in whom the whole upper lobe including the lingula had to be removed. This may be the explanation for the slight loss of function that was observed in the author's patients. The total loss of vital capacity and of maximum respiratory minute volume after successful lobectomy is sometimes not much greater than after segmental resection because it is possible that after the latter intervention the spared portions of the lobe participate little in the ventilation and gas exchange. The author believes that, when the expansion of the lung is good, as it was in his patients, these portions are still of significance and the loss of oxygen uptake of the operated lung can be small. Determinations of pulmonary function after uncomplicated bilateral resections in three of the six patients revealed a slight drop of vital capacity varying from 1.4 to 3.6%, while the maximum respiratory minute volume was reduced by 3.1 and 3.6%, respectively, in two of the patients and was increased by 9.1% in one patient. It is this slight loss in pulmonary function that makes the author believe that, in patients with a localized bilateral tuberculous process, resection therapy constitutes the only possibility of obtaining clinical cure with complete restoration of work capacity.

Adrenal Cortical Hyperfunction (Cushing's Disease): Clinical and Biochemical Study: Results of Subtotal Bilateral Adrenalectomy. J. Decourt, E. Baulieu, J. P. Michard and J. Lerner. Presse méd. **63:**951-954 (June 22) 1955 (In French) [Paris, France].

A particularly malignant syndrome of adrenal cortical hyperfunction (Cushing's disease) with early arterial hypertension was seen in a woman aged 29. First clinical signs appeared abruptly five months after termination of a normal pregnancy, her third, at the time of weaning of the infant. A thorough biological study showed slight increase in the 17-ketosteroids, bearing electively on Jayle's C fraction (17-ketosteroids oxygenated in 11); high elevation of the corticoids as measured by different methods (Heard-Sobell, Gornall, Porter-Silber reactions); slight increase in the glycuroconjugated and sulfoconjugated neutral steroids; and normal amounts of estroids. The patient received five sessions of pituitary roentgen irradiation, with no effect. Then the left adrenal gland was removed almost in its entirety, resulting in no clinical improvement but a transient improvement in the hypertension. A month later about half the right gland was removed, with dramatic improvement. Histological examination of the two glands revealed diffuse spongiocytic hyperplasia of the cortex. Several weeks after the second intervention, signs of postoperative adrenal cortical insufficiency appeared, in the form of eczematous eruptions, arthralgia, abdominal pain, and vomiting. These were successfully treated with cortisone. Biological examination four months after operation showed a permanent decrease in the 17-ketosteroids to about 1 mg., subnormal amount of corticoids, and feeble response to the intravenous infusion of corticotropin. Eight months after the operations the patient was seen to be in good health. She had gained in weight; the facies, skin color, and blood pressure were normal; menstruation had reappeared; and psychic balance was restored.

Endoscopic-Transthoracic Approach in Surgical Intervention on Autonomic Nervous System According to Kux. F. Rosenauer. Wien. med. Wchnschr. **105:**524-526 (June 25) 1955 (In German) [Vienna, Austria].

Endoscopic-transthoracic exclusion of the sympathetic and vagus nerves using Kux's technique (*J. A. M. A.* **147:**1076 [Nov. 10] 1951) was carried out by Rosenauer in 300 patients with various disorders such as hyperhidrosis of the hands and the face, essential hypertension, postcholecystectomy syndrome, disturbances of circulation and phantom pain in the upper extremities, causalgia, duodenal ulcer, angina pectoris, and severe spastic constipation. Illustrative cases are reported. Three patients, a stenotypist, a nurse, and a clerk, with severe hyperhidrosis of the hands, obtained dry, warm hands from bilateral division of the upper thoracic sympathetic chain. In two patients, hyperhidrosis of the face of several years' duration subsided completely after division of the sympathetic nerve distal to the stellate ganglion. Bilateral endoscopic division of the thoracic sympathetic chain and of the splanchnic nerves at several points was carried out in a patient with essential hypertension associated with vertigo, headache, and complete loss of sense of taste. Follow-up after two years showed a maximal systolic pressure of 190 mm. Hg as compared with 240 mm. Hg before the operation. The patient had regained his sense of taste, and headache and vertigo did not recur. Of five patients with postcholecystectomy syndrome, two obtained complete freedom from their symptoms as a result of splanchnicotomy on the right side, and the other three were considerably improved. In a 70-year-old farmer, endoscopic division of thoracic sympathetic chain distal to the stellate ganglion, approximately at the level of the second rib, resulted in complete cure of refractory excruciating phantom pain occurring 30 years after amputation of the right upper arm. The author's results obtained with Kux's technique in 53 patients with duodenal ulcer were less satisfactory than those reported by Kux himself. Bilateral division of vagus and of sympathetic fibers is indispensable, but a definite disadvantage of the endoscopic division of these nerves in patients with duodenal ulcer is the fact that surgical intervention is carried out in the pleural space and that one does not know definitely whether the diagnosis of conditions in the abdomen is not erroneous. In very young patients with duodenal ulcer and in those in whom the roentgen findings do not seem to justify resection and who have severe pain refractory to conservative therapy, Kux's technique should be employed and may yield satisfactory results in 55% of the patients. Two patients with highly refractory constipation caused by permanent spasm of the left portion of the colon had regular bowel movements every day or every second day after endoscopic division of the left vagus nerve. It has been possible in many patients to interrupt rapidly, without major surgical intervention, the waves that pass from the autonomic nervous system to the organs, or from the organs through the fibers of the autonomic nervous system to the central nervous system, and for this reason the method becomes indispensable when the autonomic nervous system is considered more and more as the cause of organic diseases.

Congenital Aganglionic Megacolon. H. Axelrod. Am. J. Surg. **90:**18-25 (July) 1955 [New York].

Axelrod reviews the history of investigations on the pathogenesis and treatment of congenital aganglionic megacolon, also known as Hirschsprung's disease. The disease is in the distal, undilated portion of the large intestine, rather than in the dilated portion, which contributes the word megacolon to the designation of the disease. The dilated portion of the intestine, with its greatly increased lumen, thickened wall, and elonga-

tion represents the reaction of a normal bowel to a chronic obstruction distal to it. In the narrowed segment distal to the dilated portion of the colon, the ganglions of Auerbach's plexus are absent but nerve fibers are present, which are nonmyelinated and lie where Auerbach's plexus would normally be situated. When the nerve impulse from the proximal, normal portion reaches this part of the bowel, an intense spastic contraction takes place, the lumen of the bowel is greatly contracted, the normal peristaltic wave reaching it is ended, and with it the forward propulsion of the bolus. Feces are packed into the first portion of the narrowed part of the bowel. This part of the fecal stream can move forward only by sufficient push from the propulsive efforts of the bowel orad to it. Meanwhile, though the aganglionic part of the bowel is incapable of peristaltic function, its other functions are not impaired. Water absorption from the feces continues, and as it does the feces become drier and harder. With the feces now backing up into the normal bowel, dilatation of the latter occurs. If the blockage is complete, acute intestinal obstruction results. The diagnosis of congenital aganglionic megacolon is not too difficult. Obstinate constipation becomes apparent at or shortly after birth. These children will have bowel movements so long as enemas are given, but despite the administration of enemas the overwhelming majority of children will appear with a greatly distended abdomen. When acute intestinal obstruction occurs and is complete, laparotomy will be necessary, with the shortest possible procedure consistent with saving the patient's life. This will usually consist of a transverse loop colostomy proximal to the contracted segment. The author describes Swanson's curative operation with Hiatt's modification, which consists of removal of the entire narrowed, distal segment, the transitional area and a variable part of the distal dilated part of the colon. The author presents the histories of two children, a 6-year-old boy and a 2½-year-old girl who were treated by this operation, which illustrate the excellent results that can be achieved by operative correction of this congenital anomaly.

NEUROLOGY & PSYCHIATRY

The Clinical Syndrome of Aneurysm of the Middle Cerebral Artery. K. Frankel and B. J. Alpers. A. M. A. Arch. Neurol. & Psychiat. **74**:46-67 (July) 1955 [Chicago].

Aneurysm of the middle cerebral artery has usually been detected at autopsy. The authors analyzed 12 cases of aneurysm of the middle cerebral artery verified at operation or autopsy in order to define the clinical syndrome and to determine the criteria whereby the diagnosis may be established before rupture. They surveyed the literature and located 129 cases, but the records of only 75 were found to be sufficiently complete to warrant inclusion for study. Data on the two groups of patients are analyzed and compared. In the cases reported in the literature the majority of patients were 20 to 50 years of age, whereas in the 12 patients presented here the ages ranged between 30 and 59. Men predominated. In the majority of patients, symptoms were of less than one week's duration, but in some they had been present for from one month to 15 years. The clinical syndrome of aneurysm of the middle cerebral artery prior to rupture is ill-defined. In the series here reported the only symptom of significance prior to rupture consisted of headache of a nonspecific character. This was true also of the cases recorded in the literature. Seizures were recorded in a few instances and transient weakness in others. In the great majority of recorded instances of aneurysm of the middle cerebral artery, the diagnosis has been made after rupture. The onset under these circumstances has usually been with loss of consciousness, often with focal or generalized seizures, and hemiplegia. Neurological examination has usually, but not always, revealed hemiparesis or hemiplegia, at times changes in the fundi, occasionally hemianopsia, and a scattering of other findings. Signs of meningeal irritation were frequent, due to subarachnoid hemorrhage. The spinal fluid usually contained red blood cells or was xanthochromic, and the pressure tended to be elevated. Little information was obtained from radiological studies. It is not possible to indicate a group of symptoms that could be regarded as significant for diagnosis prior to rupture. It is only possible to state that in patients with long-standing, unexplained headache, with occasional seizures and transitory episodes of hemiplegia or aphasia, the possibility of aneurysm of the middle cerebral artery should always be considered and arteriography performed. After rupture it is not always possible to be certain whether the symptoms result from aneurysm, hemorrhage into a tumor, or cerebral hemorrhage of hypertensive origin.

Reserpine in the Treatment of Psychotics with Convulsive Disorders. J. A. Barsa and N. S. Kline. A. M. A. Arch. Neurol. & Psychiat. **74**:31-35 (July) 1955 [Chicago].

The value of reserpine, a crystalline alkaloid from the root of Rauwolfia serpentina, in the treatment of disturbed psychotics has been shown in previous studies. Since there was an indication that patients with convulsive disorders did not respond to treatment as well as the others and since at times the incidence of convulsive seizures seemed to be increased, three groups of patients with convulsive disorders were studied. The first group included 11 schizophrenic patients with occasional convulsive seizures, which in all but two of the patients had begun late, that is, between the ages of 25 and 55. The second group included 25 patients whose mental symptoms were believed to be secondary either to epilepsy or to mental deficiency. Convulsive seizures in all of these patients began in early life and occurred more frequently than in the first group. All, with but one exception, required anticonvulsant medication. The third group included seven schizophrenic patients who had undergone various forms of psychosurgery (three, topectomies, and four, prefrontal lobotomies) and who had had convulsive seizures at some time following the operation. None of these patients received anticonvulsant medication at the time of this study. At the onset, reserpine therapy was given orally and intramuscularly, but for maintenance oral therapy was used. It was found that reserpine therapy is not as effective in psychotic patients with convulsive disorders as in psychotics without convulsive seizures. In the former the maximum therapeutic effect to be expected is usually one of sedation. There is an increased incidence of convulsive seizures during the first six weeks of therapy. In treating epileptics with reserpine, it is recommended that therapy be begun with small oral doses and that the dosage be built up gradually. Intramuscular administration of reserpine is not necessary in most cases. Finally, in termination of therapy, the drug should be withdrawn very gradually lest convulsive seizures be precipitated. The question arises as to why the mental symptoms of patients with convulsive disorders did not respond so well to therapy as did those of patients without convulsive seizures. The explanation may be that in the former the mental symptoms, like the seizures, are organically determined and, therefore, not as amenable to drug therapy. Another point to consider is that the paranoid element was usually predominant in the symptomatology of these patients with convulsive disorders, and this symptom is known to be particularly resistant to all forms of therapy.

Peritoneal Shunts in the Treatment of Hydrocephalus and Increased Intracranial Pressure: Four-Year Survey of 62 Patients. I. J. Jackson and S. R. Snodgrass. J. Neurosurg. **12**:216-222 (May) 1955 [Springfield, Ill.].

Increased intracranial pressure in patients with hydrocephalus can sometimes be successfully relieved by shunting the excess cerebrospinal fluid from the lumbar subarachnoid space or the ventricles into the peritoneal cavity through a catheter. This method has been used in 62 patients ranging in age from 3 days to 65 years, studied over a period of four years at the University of Texas. A plastic tube with several side vents is introduced either into the right lateral ventricle or the left lumbar subarachnoid space and is fixed in position. Its free end is threaded subcutaneously, either downward on the anterior surface of the trunk for a ventriculoperitoneal shunt or around the trunk to the left lower abdominal quadrant for a lumbar-peritoneal shunt, and the peritoneal cavity is then opened to receive the tube. During the last 18 months, the opening has been made over the liver, instead of lower down, and the tube has been placed over the dome of the liver and fastened to the falciform ligament by a suture. Blocking and kinking of the tube were

frequent complications, and in many cases the failure of the tube to function led to a recurrence of the initial symptoms and necessitated reoperation. A second operation was also needed in some of the children because they outgrew the original tube. The total number of operations in these 62 patients, therefore, was 116. One patient was lost to follow-up; 20 died with increased intracranial pressure, although in none of these was the death a direct result of the operation; and 12 others died from various causes, but their intracranial pressure was not increased. Some of the shunts are working and necessary for life; others are now obviously neither working nor necessary, indicating that a temporizing procedure may occasionally tide the patient over until he is able adequately to absorb his excess cerebrospinal fluid. The 29 surviving patients include 22 who are free from increased intracranial pressure and 7 in whom the pressure is now increased in spite of one or more shunting operations. Experience with peritoneal shunts shows that the longer the patients are followed, the poorer the long-term results become; thus only 39% of these patients have received long-term benefit, but, since only two of those with successful shunts are not leading useful or relatively normal lives, the shunting procedure should be regarded as having a certain limited value.

The Use of Hypothermia in Surgical Treatment of Cerebral Vascular Lesions: Preliminary Report. W. M. Lougheed, W. H. Sweet, J. C. White and W. R. Brewster. J. Neurosurg. **12:**240-255 (May) 1955 [Springfield, Ill.].

Experience with two patients subjected to intracranial surgery under hypothermia at the Massachusetts General Hospital in December, 1953, shows that hypothermia protects the brain from anoxia and makes it possible to occlude the cerebral circulation for periods of as much as 14 minutes and 25 seconds without injury. The first patient, a 45-year-old man with a recurrent glioblastoma of the right cerebral hemisphere necessitating hemispherectomy, had an uneventful postoperative course except for tachycardia with pulse rate of 150 beats a minute and electrocardiographic inversion of the T waves in most leads for five or six days. He was alert, mentally oriented, and fully conscious the day after the operation and showed no signs of having suffered cerebral anoxia, although the total time of occlusion of the carotid arteries had been 135 minutes for the right and 45 minutes for the left. He was out of bed on the 50th postoperative day. The second patient, a 17-year-old boy with a large arteriovenous malformation, was also alert and talking on the morning of his first postoperative day. He did well until the morning of the fifth postoperative day, when he went into coma and died. Autopsy showed the right vertebral artery to be thrombosed from the site of its occlusion in the neck up to its junction with the basilar artery. The thrombosis was the result of arterial trauma produced by the occluding bulldog clamp. The clamps chosen for this operation were particularly stiff to insure complete occlusion of the blood supply, and the patient's neck was in such a position during the operation that it was very hard to see the vertebral arteries when applying the clamps; in future, injury to the arteries could probably be avoided by using rubber-shod Poppen clamps. The sum total period of occlusion for all four carotid and vertebral arteries in this patient was 47 minutes and 15 seconds, the longest single period being 14 minutes and 25 seconds. The electrocardiographic and electroencephalographic tracings showed no evidence of anoxia occurring in the heart or brain of either patient during the periods of hypothermia (six and seven hours, respectively) or those of circulatory arrest. Hypothermia is not without risk, but in certain carefully selected cases it may afford the neurosurgeon protection enough to enable him to deal definitively with cerebral vascular lesions.

Chlorpromazine in the Management of Acute Alcoholic States. J. D. Schultz, E. L. Rea, J. F. Fazekas and J. C. Shea. Quart. J. Stud. Alcohol **16:**245-250 (June) 1955 [New Haven, Conn.].

The fact that chlorpromazine produces relaxation, brings about sleep without stupor, reduces agitation, and controls vomiting suggested its usefulness in the management of acute alcoholism. Earlier studies on 64 alcoholic patients were sufficiently encouraging to induce the authors to use the drug in 100 additional patients. The group of 164 patients included 141 men and 23 women. Observations on the earlier series indicated that relatively large amounts of chlorpromazine had to be given. The severity of the physiological disturbance of the patient on admission determined both the dose and the route of administration. The standard dose was 100 mg. of chlorpromazine hydrochloride given intramuscularly on admission, followed by 50 mg. three times daily until symptoms subsided. In severely disturbed patients, 100 mg. of the drug was given intravenously in fluid dilutions, ranging from 10 to 20 cc. of isotonic sodium chloride solution administered in a few minutes to 500 cc. of 5% glucose in water or isotonic sodium chloride solution administered in 30 minutes. In a few of the severely disturbed patients, 150 mg. was given intramuscularly as the initial dose, but 100 mg. given intravenously proved more effective. The subsequent dose in the severely disturbed patient was frequently increased from the standard dose of 50 mg. orally three times daily to 75 or 100 mg. orally for the second or third dose. In a few instances the intramuscular route was used repeatedly. The total dose per patient ranged from 100 to 2,950 mg. over a period of one to six days. Liberal amounts of fluids, usually water and fruit juice, were given by mouth. The authors conclude that chlorpromazine in relatively large doses is extremely helpful in the management of acute alcoholic states. It controls motor excitement, nausea, and vomiting, permits a restful, relaxed sleep, and contributes to the relief of tension and anxiety. The patient retains fluids and nourishment, can be readily aroused for nursing care, and is quickly restored to physiological normalcy. No addiction to chlorpromazine developed, and there were few unpleasant side-effects. Orthostatic hypotension of moderate degree was fairly common at the onset of therapy, and occasionally this hypotension was severe. For this reason the blood pressure of patients given chlorpromazine should be watched closely, particularly when large doses of the drug are administered, and the patients should be kept in a recumbent position.

Chlorpromazine (Thorazine)—Rauwolfia Combination in Neuropsychiatry: Preliminary Report. H. B. Eiber. A. M. A. Arch. Neurol. & Psychiat. **74:**36-39 (July) 1955 [Chicago].

Preliminary testing with the combination of chlorpromazine and Rauwolfia serpentina was begun on 24 patients with such varied neuropsychiatric conditions as schizophrenic reactions, manic-depressive psychosis, senile agitated states, anxiety neuroses, menopausal agitation, epilepsy, primary behavior disorders, and mental deficiency. The subjects were all ambulatory and varied in age from 3 to 92 years. The patients received the combination of 15 mg. of chlorpromazine and 50 mg. of Rauwolfia serpentina (whole root) by mouth. The medicament was given three to four times daily. In some instances the dose was doubled or tripled. In the cases of smaller, younger patients, the dose was halved. No differences were observed when the whole root of Rauwolfia serpentina was replaced by one of its alkaloids, reserpine. The patients were observed first at weekly intervals and later at monthly intervals. There were only three patients who did not improve significantly with this treatment. All the remaining 21 patients showed moderate to marked improvement. It is suggested that this combination may act as a chemical agent on the corticothalamic centers, enabling patients to function at a more satisfactory level. The simultaneous use of the two medicaments appears to be of greater value than when either agent is used singly.

GYNECOLOGY & OBSTETRICS

Chemical Burns of the Vagina. M. J. St. Romain Jr. and F. G. Nix. J. Louisiana M. Soc. **107:**268-272 (July) 1955 [New Orleans].

St. Romain and Nix present observations on 75 women who were treated for chemical burns of the vagina at Charity Hospital, New Orleans, during the period from July, 1949, to July, 1954. A much larger number of chemical burns of the vagina, with less serious complications, were treated on an outpatient basis. The 75 women ranged in age from 17 to 45 years, and parity varied between 0 and 12, with 88% having four or more children. Of these women, 56 admitted using the agents in an attempt to produce abortions. In three instances, tablets

were inserted into the vagina in conjunction with intrauterine catheters and vaginal packs by midwives. These three patients, when first seen, showed evidence of pelvic infection. Potassium permanganate was used in 73 of the 75 women; in 52 the tablets were inserted into the vagina as abortifacients; in 21 the tablets or crystals were incompletely dissolved in water in the preparation of douche solutions and the undissolved particles resulted in vaginal burns. One patient used "Orange Blossom suppositories" (containing alum, borax, and petrolatum) to treat a vaginal discharge. Bleeding occurred three days after the insertion of the suppositories, and vaginal examination revealed multiple raw bleeding areas. The remaining woman used tablets of mercuric chloride as an abortifacient. The outstanding symptom of vaginal chemical burns was bleeding. Ulcerative vaginal lesions responsible for the bleeding were present in all patients. The treatment consisted of hemostasis, blood replacement, antibiotics, and antitoxins. Hemostasis was accomplished by sutures in 25 patients. Suturing was impossible in five patients, due to the extensive necrosis, and vaginal packs were used to control the hemorrhage. Transfusion was required in 59 patients; 32 patients received antibiotics. Tetanus and gas gangrene antiserums were administered to 18 patients. The three patients with pelvic infection were treated with nasogastric suction and intravenous fluids in addition to the above forms of treatment. Potassium permanganate is becoming popular among the uneducated and malinformed as an abortifacient, but it is ineffective. Of the 56 women who admitted using the chemical agents as abortifacients, 5 were not pregnant on admission; 6 patients were pregnant but did not return to Charity Hospital for follow-up; and there were 45 cases of proved pregnancies that were followed to termination. These pregnancies resulted in 38 term live births, 2 stillbirths, and 5 abortions. Potassium permanganate used for a cleansing douche may produce serious vaginal burns, if any undissolved crystals come in contact with the vaginal mucosa.

Paracervical Uterine Denervation by Transection of the Cervical Plexus for the Relief of Dysmenorrhea. J. B. Doyle. Am. J. Obst. & Gynec. **70**:1-16 (July) 1955 [St. Louis].

Pain synchronous with menstrual bleeding usually referred to as dysmenorrhea occurs in two forms. The pain of primary or essential dysmenorrhea usually occurs during very early menstrual life. It is crampy or colicky in type, localized usually to the low midline hypogastric area, and occurs synchronously with the onset of menstrual flow, although it may precede it for several hours. Its duration is usually several hours to two days. The pain of secondary or acquired dysmenorrhea usually occurs after several years of menstrual life, often not until the second or third decade. It is of a diffuse, dull, aching character and may occur in one or both iliac fossae as well as in the midline. Occasionally, the pain radiates to the lower sacrum or to the medial and posterior thigh or into the vagina. Many young women with primary dysmenorrhea are assured that marriage and childbearing will relieve the condition. Unfortunately, this does not always happen. Of the numerous theories regarding the cause of dysmenorrhea, the most generally accepted is that the discomfort arises chiefly from hypercontractility of the uterine musculature due to an imbalance of its regulators, estrogen and progesterone. Most gynecologists agree that most patients with primary dysmenorrhea will respond to sedation, rest, hygiene, and production of anovulation either by estrogens or testosterone. These remedies are less satisfactory for the acquired type of dysmenorrhea. Temporary relief can usually, but not always, be obtained by prolonged dilatation of the cervical canal. The relative inadequacy of the presacral neurectomy procedure in the relief of both primary and secondary dysmenorrhea is well known, and it has been virtually abandoned for patients with acquired dysmenorrhea at many clinics. Many European gynecologists relieve uterine pain by transection of the intersacral ligaments. The author mentions various denervation procedures and describes his own experience with the transection of the cervical division of the Lee-Frankenhäuser uterovaginal plexus lying in, around, and under the terminal 2.5 cm. of the uterosacral ligaments. It permits sensory denervation of the cervix and fundus of the uterus and the proximal segment of the tubes. The procedure may be done during laparotomy or culdotomy. Since the culdotomy approach is the first step of a vaginal hysterectomy, gynecologists may prefer the vaginal approach particularly if the illumination is improved by the use of the pelviscope set, which consists of a lighted right-angle retractor with twin lights at its tip and a set of two telescopes offering right angle or 45° angle fields of vision with a threefold magnification. The general surgeon may prefer the abdominal approach. It has been the author's practice to reserve the vaginal approach for those patients with dysmenorrhea in whom pelvic examination, both vaginally and rectally, revealed tenderness but no nodulation in the uterosacral ligaments and a cul-de-sac free of induration or masses. The vagina must be free of infection. In the series of 73 cases reviewed in this paper the denervation was done by the vaginal route in 36 cases and by the abdominal route in 37 cases. Neuromuscular and neurovascular autonomic imbalance is avoided with this technique of uterine denervation since both sympathetic and parasympathetic pathways are interrupted. Relief of acquired dysmenorrhea with or without antecedent primary dysmenorrhea was obtained in 69 of 73 cases. The relief was complete in 63 cases. There was no interference with the function of the bladder or rectum. The regrowth of the nerves is prevented by the interposition of the posterior parametrial peritoneum between the transected uterosacral ligaments and the top of the vagina.

PEDIATRICS

Experiences with 180 Cases of Tetralogy of Fallot in Infants and Children. R. D. Rowe, P. Vlad and J. D. Keith. Canad. M. A. J. **73**:23-30 (July 1) 1955 [Toronto, Canada].

Advances in diagnostic technique during the last 10 years have opened the way to the correct diagnosis of the tetralogy of Fallot in small infants and children with cyanotic heart disease. Congestive heart failure never occurs during childhood in the natural course of this malformation; consequently, the finding of an enlarged liver with gallop rhythm in a cyanotic child before surgical intervention excludes a diagnosis of tetralogy of Fallot. Some of the more serious cardiac malformations found in infants may have closely similar physical signs, radiological picture, and electrocardiographic alterations, and this often makes differential diagnosis difficult. Early determination of the correct diagnosis, however, is important from a prognostic point of view and full advantage should be taken of such accessory procedures as chest radiography, electrocardiography, ear oximetry, cardiac catheterization, and angiocardiography. Anoxia is the chief cause of death in children with this condition. Those who survive the dangerous first two years show a certain amount of adaptation to anoxia; they are aware of their limitations and often employ maneuvers such as squatting or lying on one side to relieve discomfort or dyspnea. The average age of survival, however, is only 12 years and very few patients survive the second decade. The records of the 180 patients with the tetralogy of Fallot seen at the Hospital for Sick Children, Toronto, show that, of the 40 who died, 67% were less than 2 years old and 83% were less than 5. Medical treatment should be used whenever possible to carry the patient through infancy until he reaches an age at which surgical correction of the defect can be carried out with greater safety. The best age seems to be between 4 and 5. Cyanosis is strikingly lessened in patients who have been operated on successfully, and their exercise tolerance is greatly improved. The purpose of the surgical treatment is to increase the pulmonary blood flow and, while it is not possible now to say how long the improvement will last, the benefit still being enjoyed by patients who were operated on as much as 10 years ago augurs well for their future.

Blood Formation in Infancy: Part IV—The Early Anaemia of Prematurity. D. Gairdner, J. Marks and J. D. Roscoe. Arch. Dis. Childhood **30**:203-211 (June) 1955 [London, England].

In premature infants the postnatal fall in hemoglobin level tends to be exaggerated, so that these infants, although starting life with a cord hemoglobin as high as that of normal infants, often develop abnormally low hemoglobin levels during the second month. Usually this early anemia of prematurity slowly improves after about age 4 months but is frequently fol-

lowed by a second phase of anemia. This late anemia of prematurity does not differ from the hypochromic anemia common in other infants of over 6 months. It reflects the precarious iron balance during infancy, exaggerated by several factors that bear on the premature infant, such as its smaller initial iron stores, its more rapid growth, and its tendency to receive a purely milk diet for a prolonged period. The cause of the early anemia of prematurity has, however, never been understood. Three different mechanisms have been suggested: (1) that the anemia results from abnormally high rate of destruction of red blood cells; (2) that it is the result of the rapidity of body growth outstripping a normal erythropoietic capacity; and (3) that it is the result of a functional immaturity of the bone marrow, a dyshemopoiesis. Each of these three suggested mechanisms was examined by the authors in the light of data obtained in 31 infants having birth weights below 1,620 gm. (3 lb. 9 oz.). The main study concerns a group of 26 infants, to half of whom additional iron was given, while another 5 infants received cobalt as well as iron. The authors found that the early anemia of premature infants is due mainly to the slow response of erythropoiesis to the stimulus of anemia. This slow response is not peculiar to premature infants, but in them its consequence is exaggerated by the rapidity of their growth. Rapid growth also has the effect of prolonging the anemia once it has developed. There is no evidence that an abnormal rate of red blood cell destruction, if it occurs, contributes significantly to the production of anemia. Marrow studies reveal no differences between the myelograms of premature and normal infants. Iron, if given from about the third week, mitigates the anemia but does not always prevent it. Iron is well tolerated and there seems good reason to give it to the smaller premature infants from about the third or fourth week. If cobalt is given in addition to prophylactic iron, a striking increase in erythropoiesis can be provoked, sufficient in most cases to prevent anemia. However, the effects that cobalt may have upon the thyroid make it unjustifiable to administer it routinely to premature infants.

The Schönlein-Henoch Syndrome (Anaphylactoid Purpura) Compared with Certain Features of Nephritis and Rheumatism. I. C. Lewis. Arch. Dis. Childhood **30:**212-216 (June) 1955 [London, England].

Similarities between acute rheumatism, acute nephritis, and anaphylactoid purpura, also known as the Schönlein-Henoch syndrome, had been pointed out by Gairdner in 1948 who had also called attention to the fact that an upper respiratory tract infection associated with hemolytic streptococci preceded these conditions so commonly as to suggest bacterial hypersensitivity as an etiological factor. The present report enlarges upon some of the points raised by Gairdner. It is based on 139 cases of anaphylactoid purpura (Schönlein-Henoch syndrome), 297 cases of nephritis, and 307 cases of rheumatism. All of the children with anaphylactoid purpura (Schönlein-Henoch syndrome) had the characteristic exanthem and joint and/or abdominal symptoms. The children with this syndrome, those with acute hemorrhagic glomerulonephritis, and those with acute rheumatism were compared with regard to sex ratio, age of onset, seasonal trends, and the incidence of previous upper respiratory tract infections, particularly those associated with hemolytic streptococci. The authors feel that the evidence they obtained supports a close relationship between anaphylactoid purpura (Schönlein-Henoch syndrome) and acute nephritis, and a bacterial hypersensitivity as a major causal factor in all three conditions. The sharp rise in the numbers of cases of anaphylactoid purpura (Schönlein-Henoch syndrome) in the spring and autumn also suggests a relationship with respiratory tract infections.

THERAPEUTICS

Coronary Dilator Activity and Therapeutic Importance of a Synthetic Drug with a Kellinic Action: the 2-Phenylchromone. V. Ferrari and G. Finardi. Minerva med. **46:**1175-1180 (April 25) 1955 (In Italian) [Turin, Italy].

The effects of prolonged administration of 2-phenylchromone (Cromarile), a preparation whose activity, according to some authors, is two times greater than that of kellin, were studied in nine patients with coronary insufficiency. Doses ranging from 45 to 120 mg. daily never caused untoward reactions, and the beneficial effect of the drug was evident from the clinical, electrocardiographic, and functional standpoints. Total or almost total suppression of painful attacks was observed in four patients, while in three the attacks decreased in intensity and frequency. The effect of the drug was preventive and led to reduction or disappearance of the attacks in a few days. The effect was poor in two patients, in one of whom syphilitic coronaritis refractory to all symptomatic treatment was present, whereas the other had suffered a severe infarct. The arterial pressure of the patients was not influenced. The symptomatic action of Cromarile was studied in three persons who were subjected to the effort test. In all three, the test, which at first caused precordial pain, was painless after the administration of the drug. The electrocardiographic findings were improved in all the persons studied. Despite their limited experience, the authors state that the activity of 2-phenylchromone in dilating the coronaries from the functional as well as the symptomatic standpoint is extremely favorable, especially because doses that are effective are completely devoid of side-effects even when they are administered for months without interruption.

Clinical Experiences with a New 4-Oxycoumarin Derivative: Sintrom. S. Moeschlin and H. Schorno. Schweiz. med. Wchnschr. **85:**590-592 (June 11) 1955 (In German) [Basel, Switzerland].

The new coumarin preparation, Sintrom (3-nitrophenyl-acetylethyl-4-oxycoumarin), takes an intermediate position between the coumarin preparations that have a prolonged effect and those that have a short action. The authors have used it since September, 1954, in 50 patients for the treatment of thrombosis, pulmonary embolism, and cardiac infarct, and to prevent thrombosis after operations or trauma. The drug is available in 4 mg. tablets, which can be divided. It is tasteless and is willingly taken in water or tea. The daily dose need not be divided but can be given at once. The prothrombin level increases within 24 hours and subsides to the initial values in from 48 to 72 hours. Therefore it is comparatively easy to adjust to the optimal prothrombin level without a too protracted time of recuperation, which can be further reduced by the administration of vitamin K_1. The new drug has practical advantages over other anticoagulants and is of great value in internal, surgical, and gynecologic conditions. No undesirable secondary effects were observed, even during prolonged treatment of up to six months.

Yeast Dermatoses During Antibiotic Therapy: III. Pathogenic and Therapeutic Study, with Particular Reference to the Incidence of Avitaminosis. P. de Graciansky, R. Leclerq, J. Delaporte and P. Gouin de Roumilly. Semaine hôp. Paris **31:**2170-2182 (June 20) 1955 (In French) [Paris, France].

The various hypotheses proposed to explain the action of yeasts in certain untoward effects of antibiotic therapy are discussed, on the basis both of statements in the literature and of experiments conducted by the authors. Direct contact of various antibiotics with Candida albicans produced no noticeable effects on the latter, nor was there conclusive evidence that this organism acquires greater virulence when growing in the presence of an antibiotic agent. The administration of antibiotics to experimental animals does favor the germination of C. albicans, however. It must therefore be concluded that certain modifications of the terrain are induced, permitting the development of the disease caused by the yeast. The decimation of other organisms by the antibiotics with consequent disturbance of the floral distribution in favor of the pathogenic yeasts is a contributory factor but is not sufficient to explain the occurrence of the disease. The role of certain avitaminoses, notably that of avitaminosis B_2, seems to be established. The authors' experiments show that, contrary to past affirmation, vitamin B_2 does not possess fungistatic properties. Animals deficient in vitamin B_2 are definitely hypersensitive to infections caused by C. albicans, even when their deficiency is not enough to cause disturbances of the general condition. Two further factors mentioned in the literature, sensitivity to antibiotics and local irritation caused by antibiotics, do not appear to be important. Therapy of the yeast dermatoses caused by antibiotic treatment should consist not only of local and general applications of antifungal agents but of prophylaxis with the vitamin B complex.

BOOK REVIEWS

Denial of Illness: Symbolic and Physiological Aspects. By Edwin A. Weinstein, M.D., Associate Attending Neurologist, Mount Sinai Hospital, New York, and Robert L. Kahn, Ph.D., Research Psychologist, Mount Sinai Hospital, New York. Publication number 249, American Lecture Series, monograph in Bannerstone Division of American Lectures in Neurology. Edited by Charles D. Aring, M.D. Cloth. $4.75. Pp. 166. Charles C Thomas, Publisher, 301-327 E. Lawrence Ave., Springfield, Ill.; Blackwell Scientific Publications, Ltd., 49 Broad St., Oxford, England; Ryerson Press, 299 Queen St., W., Toronto 2B, Canada, 1955.

This monograph represents the culmination of eight years of intensive investigation of the behavioral changes in brain disease, with use of a combined neurological, psychiatric, and psychological approach. From many carefully controlled clinical studies of what superficially appear to be seemingly irrational behavior, the authors evolve clear evidence that denial of illness can be viewed as an orderly and understandable adaptation pattern to stress. This volume is a valuable monograph and carefully compiled, with adequate line drawings, complete references, and a valuable condensed table of clinical data of the 104 patients studied.

An introductory chapter considers the history of studies of denial of illness dating from the earliest cases described by Von Monakow in 1885, by Anton in 1896, and by Babinski in 1914. The authors then go on to describe the patterns of denial and list the following patterns of explicit verbal denial: (1) complete denial, (2) denial of major disability, (3) minimization or attribution to some benign cause, (4) projection of disability outside of the self, and (5) temporal displacement of the disability. They indicate that the denial of illness usually included more than one aspect of the illness, that the disability that was denied was not necessarily caused by a lesion of the nervous system, that patients with anosognosia for physical disabilities commonly denied the existence of other personal problems, and that confabulation was the device used to amplify the denial. The duration of anosognosia in patients varied from several days to one year; many patients who recovered showed amnesia for the period of denial. The patients with complete explicit denial showed no anxiety and were bland and affable during interviews. Other chapters consider the patterns of disorientation; reduplication manifestations; the language of denial; personality factors; anatomic and physiological factors; psychological studies; and experimental production of denial with special studies of the effects of barbiturates, the use of the Amytal test in the diagnosis of brain disease, and the effects of electric shock. A summarizing chapter also concerns itself with theoretical considerations.

The authors' data help to bury the ghost of overmeticulous cerebral localization, and they develop a comprehensive theory of the denial of illness as a reaction to stress. The book is highly recommended and should be read by every psychiatrist, neurologist, and internist.

How to Live Without Liquor. By Ralph A. Habas, Ph.D. With introduction by W. W. Bauer, M.D., Director, Bureau of Health Education, American Medical Association. Cloth. $2.50. Pp. 125. Farrar, Straus and Cudahy, 101 Fifth Ave., New York 3; Ambassador Books, Ltd., Toronto, Canada, 1955.

Although it has been designed for the general public, many physicians may read this little book with profit. While much of the factual information—for example, the description of the various medical treatments that may be used with the alcoholic—will be familiar, there is much material that is likely to prove enlightening and helpful to those without specialized training or with limited practical experience in coping with the liquor addict. In this category may be included the sections dealing with Alcoholics Anonymous, the therapeutic role of religion, the psychological and physiological factors involved in pathological or compulsive drinking, the special problems of the female drinker, and the agencies and facilities that are available to aid the alcoholic. This book's strongest claim to attention, however, lies in the fact that it can be heartily recommended to the problem or borderline drinker as well as to his or her relative, employer, or friend—indeed, to everyone directly or indirectly concerned with the liquor problem. The drinker himself, who, incidentally, is urged to see his family physician first, will find sympathetic understanding, wise counsel, practical guidance, and real encouragement in the pages of this book. Relatives and others anxious to assist the drinker will gain a better appreciation of his difficulties, receive sensible down-to-earth advice on how to treat him and influence him to take the necessary steps toward overcoming his addiction, and learn just where to go for specific information or personal assistance. For those who simply wish to become better informed on the grim but fascinating and vital problems of alcoholism, a reading of this lucid, nontechnical book will provide a rewarding survey of its most important practical aspects. In meeting this need, this unpretentious book can do much good.

Diseases of the Ear, Nose, and Throat in Children. By T. G. Wilson, M.B., B.Ch., Litt. D., Ear, Nose, and Throat Surgeon, Dr. Steevens' Hospital, Dublin, Ireland. Cloth. $12. Pp. 307, with 145 illustrations by author. Grune & Stratton, Inc., 381 Fourth Ave., New York 16; 99 Great Russell St., London, W.C.1, England, 1955.

This textbook should be a welcome addition to the libraries of otolaryngologists and pediatricians. The character of otolaryngological practice has changed greatly during the past generation because of the advent of sulfonamides, antibiotics, and antihistaminic drugs, and this has brought with it fresh emphasis on congenital defects, infantile otitis media, defective hearing and speech, the auditory and vocal rehabilitation of deaf children, and infections of the respiratory tract. Within the domains of otology, the relatively new science of audiology has developed. Readers of this book should find the chapters on congenital abnormalities of the ear, nose, face, esophagus, and lower respiratory tract useful and the chapters on deafness in childhood, the training and education of deaf children, defective speech in childhood, and thyroglossal cysts and fistulas informative. This book is highly recommended.

Pathology. By Peter A. Herbut, M.D., Professor of Pathology, Jefferson Medical College, Philadelphia. Cloth. $16. Pp. 1227, with 1378 illustrations. Lea & Febiger, 600 S. Washington Sq., Philadelphia 6, 1955.

Professor Herbut states in the introduction to this book that it is intended for "the student of medicine—be he undergraduate or postgraduate" and indicates the general plan of the book. First, there is a brief survey of general pathology and then a full and systematic consideration of special pathology. The chapters in the latter section reflect the author's great interest in surgical pathology. All the important lesions and many unimportant ones are carefully described and illustrated. The book retells the traditional story of pathology from the familiar point of view of morbid anatomy, but pathology can be considered from other points of view, and of these the book makes little mention. Scant consideration is given to the mechanisms by which the lesions have been brought about, and there is only a small effort to explain them in terms of biochemical or biophysical alterations. The relative space devoted to general pathology and special pathology, which is in the ratio of about 1:10, seems disproportionate, and as a consequence the student is given only a bare description of the tissue changes and a list of the causes of such important phenomena as inflammation, degenerations, and tumors. Similarly in the chapters on special pathology little mention is made of the functional changes that accompany the anatomic changes. To illustrate, there is no discussion of abnormal liver or kidney function, although the morphological aspects of diseases of the liver and kidney are discussed in detail. The student who is willing to make allowances for these omissions will find the book a helpful guide to the identification of the evidences of disease that he will observe in the autopsy room and the laboratory of surgical pathology.

These book reviews have been prepared by competent authorities but do not represent the opinions of any medical or other organization unless specifically so stated.

QUERIES AND MINOR NOTES

PAIN RELIEF DURING LABOR

TO THE EDITOR:—*A pregnant woman, who was a heroin addict, has been free of the addiction for 18 months. She is fearful of any pain-relieving medication during labor because of the possibility of renewing the drug habit. Is there any reason for concern if pain-relieving drugs are used sparingly during labor? If not, what about the use of barbiturates?*

M.D., New York.

This inquiry was referred to two consultants whose respective replies follow.—Ed.

ANSWER.—The patient well should fear renewal of her addiction if narcotics are used in labor. She should first be encouraged to believe she may need little or nothing in labor for relief of pain. Such methods employed by Grantly Dick Read, or even hypnosis if that is available may be helpful. To go through a labor without narcotics would strengthen her psychic resistance following her addiction. If these methods fail or are not available, barbiturates or any of the sedative nonnarcotic drugs may be used. Some obstetricians are using inhalant gas with considerable success.

One suggestion that may be helpful is the use of the new drug thorazine or chlorpromazine hydrochloride. When this drug is used, the dose of sedatives may be cut in half; in fact, one must use care in the dosage of any sedatives when this drug is used, because it enhances the effect so much one may oversedate the patient. When the second stage is reached, gas may be used, if necessary.

ANSWER.—There is no need to be concerned about the possibility of therapeutic use of pain-relieving drugs leading to relapse to opiate addiction, more particularly since the size of the doses used would be quite small. Addicts practically never relapse as a result of receiving analgesics postoperatively. Relapse is usually traceable to the same psychological and environmental factors initially responsible for the addiction. The same considerations apply to the use of barbiturates. If the patient insists on receiving no analgesics, small amounts of scopolamine might be tried. The use of some kind of regional anesthesia such as caudal analgesia might also be considered.

COMPLICATION OF PROLONGED CORTISONE TREATMENT

TO THE EDITOR:—*A 42-year-old white woman had been treated for severe arthritis for the past four years with cortisone, 25 to 50 mg. daily, and then she was referred to our clinic for a routine chest x-ray, which showed a massive pleural effusion in the left side of the chest. After aspirating the greater portion of this empyema, which was pea-green in color and very thick, we noted that there was no definite evidence of any parenchymal lesion that may have caused this empyema. There was no history of any previous pneumonia. A Mantoux test was negative, and the pus was negative for tubercle bacilli. Other examinations failed to reveal the cause of this empyema. Could a pleural empyema be caused by prolonged administration of cortisone?* *Louis Levin, M.D., Pontiac, Ill.*

ANSWER.—The case described presents one of the not uncommon and most distressing complications of prolonged cortisone treatment. The masking of the symptoms of an infectious process by cortisone administration has frequently been observed. In experimental animal and in humans it has been demonstrated that infections with organisms usually considered to be nonpathogenic or of very low virulence may occur when cortisone is administered in high dosage or over a long period of time. Preexisting infectious foci, particularly those of tuberculous etiology may flare up and produce a widespread systemic infection with minimal symptomatology under the influence of cortisone administration. Systemic infection with fungi ordinarily considered nonpathogenic have been reported in patients receiving cortisone. The reasons for this enhancement of susceptibility to infection seen in patients receiving cortisone (or other adrenal steroid) therapy are not entirely clear. Experimentally it can be shown that large doses of adrenal steroids may attenuate the immune processes that combat infection. It is also known that large doses of adrenal steroids may inhibit the repair processes of the body. In the case in question it would seem reasonable to postulate that the patient's resistance to infection was lowered by the chronic administration of cortisone with the consequent production of the empyema. Microscopic examination and culture of the pus for fungi such as Candida (Monilia) or Histoplasma capsulatum may help to establish the cause of this infection.

HEMOIRRADIATION

TO THE EDITOR:—*I received a letter about a patient who received irradiated blood by an instrument called a Knott hemoirradiator for myocardial infarction. The physician giving this treatment claims it is an accepted form of therapy in a number of medical conditions and quoted an extensive bibliography. I am not familiar with this instrument and would appreciate any information that you may give me as to its clinical usage, especially in coronary artery disease.*

Alexander A. Doerner, M.D., San Francisco.

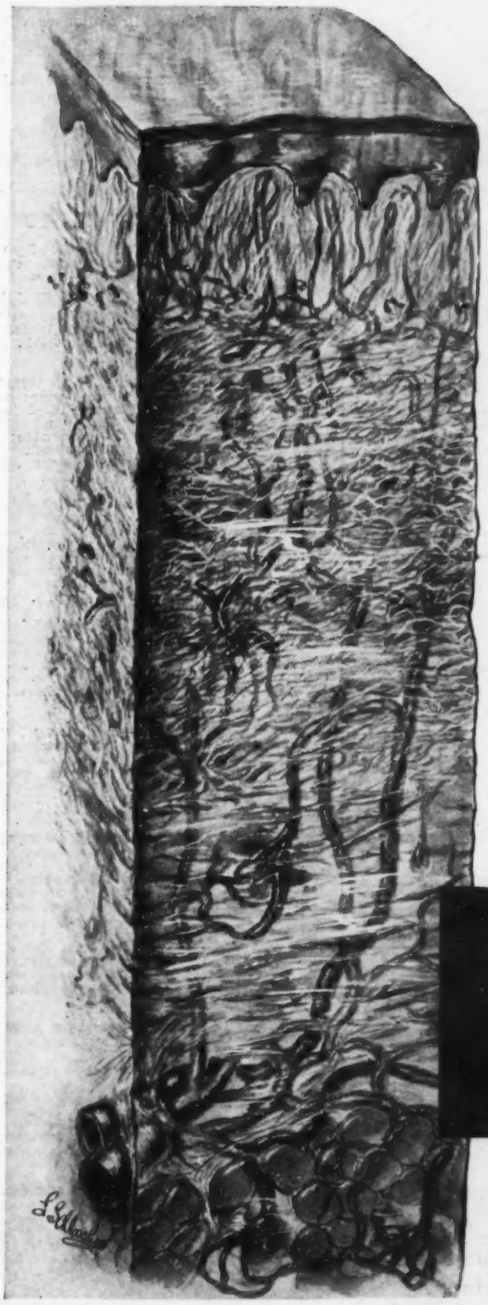
ANSWER.—The Knott hemoirradiator is an apparatus that is employed to expose blood drawn from a patient to ultra violet light. This blood, presumed to have been modified by such exposure, is then returned to the patient as a therapeutic measure. This technique has been employed in a wide variety of diseases in which results are difficult to evaluate because of the inherent variability in the natural history of these disorders, e. g., biliary tract disease and pelvic cellulitis. Under such circumstances a protagonist could make a case for "benefit" from such therapy. It is, however, the general consensus that hemoirradiation by ultra violet light has not been demonstrated to be either on a firm theoretical, experimental, or clinical basis. The use of this technique for coronary artery disease is advocated by none of the authorities in this field throughout the country.

HEADACHES FROM DYNAMITE

TO THE EDITOR:—*A 35-year-old married man, in the course of his work, has occasion to handle dynamite. After handling the material, with his hands gloved, he invariably develops a violent headache. Furthermore, he tells me that the same type of headache will occur from merely wearing the gloves used in handling the dynamite, even though several weeks may elapse. I would appreciate an explanation of this phenomenon.* *Carl Stein, M.D., Loudonville, Ohio.*

ANSWER.—Nitroglycerin is readily absorbed through the human skin, if it comes in contact with the skin as from wearing "powder-contaminated" gloves. If the air contains nitroglycerin and similar nitrobodies, absorption by the lungs may add to the amount entering the body. The resulting dilation of cerebral blood vessels is presumably the mechanism of the nitrite headache. Rubber-impregnated gloves are sufficiently impervious to nitroglycerin to afford protection. These must be laundered in alkaline solutions daily or after each use to prevent their becoming a source of the drug (by contamination inside the glove).

The answers here published have been prepared by competent authorities. They do not, however, represent the opinions of any medical or other organization unless specifically so stated in the reply. Anonymous communications and queries on postal cards cannot be answered. Every letter must contain the writer's name and address, but these will be omitted on request.



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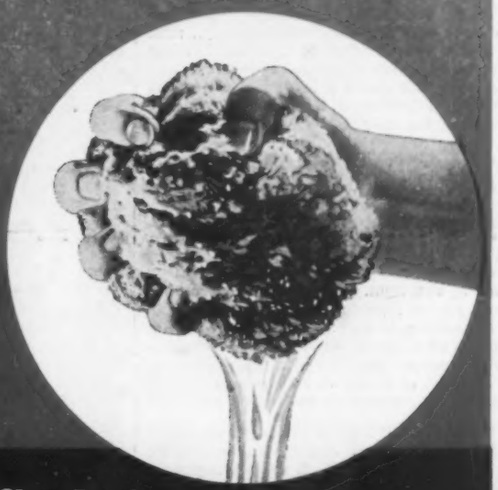

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PEDIATRICIAN — ASSOCIATION WITH BOARD pediatrician; expanding 6 man group; middle west college town; prosperous territory; non-industrial; high cultural level; salary if desired or percentage leading to clinic membership and part ownership; very pleasant small city; family type community; exceptional educational opportunities; near large shopping and medical center. Box 9148 C, % AMA.

WANTED—BOARD ELIGIBLE MAN IN OBSTETRICS and gynecology to join a clinic with 2 men doing internal medicine and general surgery located in 45 bed private hospital that it owns; hospital is fireproof, modern and well-equipped; located in college city of 10,000 population in Michigan; guaranteed salary plus percentage with chance to participate in ownership later if desired. Box 9145 C, % AMA.

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INDUSTRIAL SURGEON—SINGLE; TO JOIN GROUP in hospital*; must be Illinois licensed; guaranteed $500 a month and percentage plus complete maintenance; must be able to do some fractures, tendons, general surgery, and willing to take night calls. Write: Dr. M. S. Mazel, Edgewater Hospital, 5700 N. Ashland Ave., Chicago 26, Illinois. C

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RESIDENT PHYSICIAN—116 BED GENERAL HOSpital; $300 per month plus maintenance; must be graduate AMA approved school; general services. Apply: Administrator, The Valley Hospital, Ridgewood, New Jersey. C

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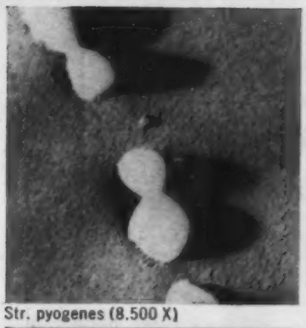
(Continued on page 80)

The organisms commonly involved in

Bone felon



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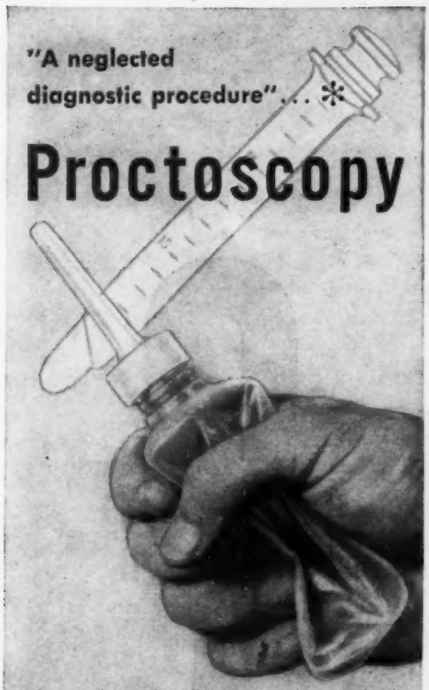

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TONICS AND SEDATIVES

my favorite story

In this space will be published anecdotes submitted by physicians concerning their practice or people in general. Contributions for "My Favorite Story" are welcome.

A very pretty redhead window shopping on Fifth Avenue was being followed by the smooth type. Finally she turned on him indignantly:

"You've been following me for three blocks—I saw you. You can stop right now. I'm not the type of girl you can pick up."

The gentleman bowed and smiled:

"Madam," he said, "I'm not picking you up. I'm picking you out."

It worked.

In a Syracuse University paper an ad appeared offering the services of a group of fraternity boys as baby sitters.

Shortly after the paper was out three of the boys were requested to come to a certain address which they were amazed to find was a sorority house, but finally they rang the bell and were assured this was the place. In the parlor three undated "babes" sedately awaited their tenders.

Incidentally, the doctor who told us this story says he married one of the girls.

A doctor's wife writes to tell us about a grateful letter she received from European relatives after sending them a parcel.

The letter contained the following paragraph:

"If you can, please send us more pills. We didn't know what they were until our cousin came—she has studied English, you know—and read the name for us. Then we gave them all to Uncle Paul who has been suffering from rheumatism, and he feels much better now. He says it is the best medicine he ever took. The pills are called 'life savers'."

did you know that?

There is an old "cure" for dysentery. All that is necessary is to get hold of some human bones and grind them into a powder

(Continued on page 70)

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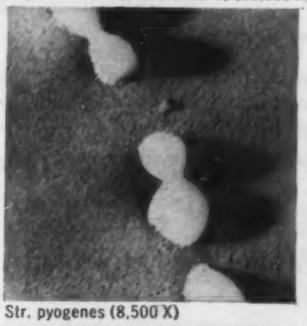
K. pneumoniae (Friedlander's) (13,000 X)



Str. pyogenes (8,500 X)

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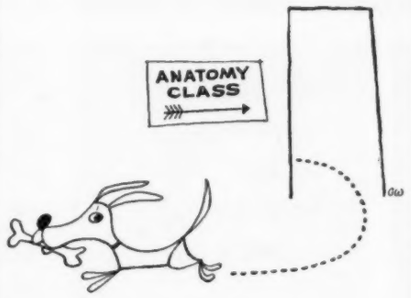
TONICS AND SEDATIVES *(Continued)*

with red wine and give it to the sufferer. Shortly the dysentery will disappear.

Human skulls powdered were also recommended for the cure of epilepsy. The Stamford *Mercury* of October 8, 1858 reported:

"A collier's wife recently applied to the sexton at the church for ever so small a portion of a human skull for the purpose of grating it similar to ginger and adding it to a mixture which she would give to her daughter as a remedy against epilepsy."

♠



♠

revised definitions—

Every so often a humorist attempts to give new meanings to old words. Here are some examples:

Meteorologist: A man who can look into a girl's eyes and tell whether.

♠

Mal de Mer: French for: you can't take it with you.

♠

Intuition: The strange instinct which tells a woman she is right whether she is or not.

♠

Minor Operation: One performed on somebody else.

♠

Platonic Friendship: The interval between the introduction and the first kiss.

♠

Golf: A good walk spoiled.

♠

Poise: The art of raising the eyebrows instead of the roof.

♠

Etiquette: Learning to yawn with your mouth closed.

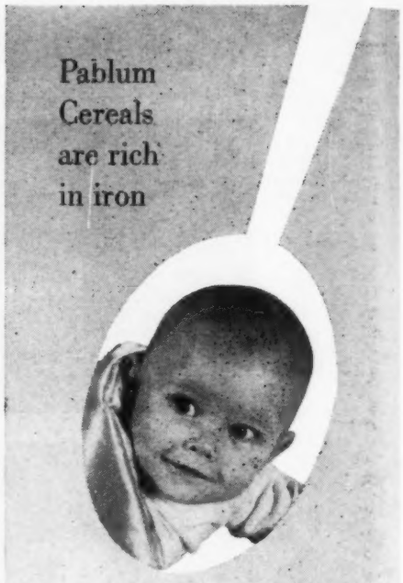
♠

Throw Rug: A small rug that usually throws anyone who steps on it.

♠

Diplomat: A man who can convince his wife a woman looks stout in a fur coat.

(Continued on page 72)



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Timberlake, Abbott, and Schwab* report "100 per cent control" with "Mysoline" in 22 patients and from "50 to 100 per cent control" in another 28, in a series of 96 patients with grand mal and psychomotor seizures.

Grand mal seizures were completely eliminated in 14 of 38 patients (4 receiving "Mysoline" alone), and in 9 the frequency of seizures was reduced by more than half. Two patients in *status epilepticus* were also brought under control with "Mysoline."

Psychomotor attacks were completely controlled in 6 of 37 patients, and in 12 (8 receiving "Mysoline" alone) the number of attacks was reduced by half or more.

"Mysoline" offers a relatively wide margin of safety

In general, "Mysoline" was well tolerated. No side effects occurred in 34 per cent of the patients. In other cases, side effects such as drowsiness, dizziness, and ataxia were frequently noted at the start of therapy but tended to disappear as therapy was continued.

To minimize side effects, these workers recommend small initial doses of "Mysoline," 0.125 Gm. (half tablet) daily, to be increased by 0.125 Gm. increments at three to seven day intervals.

The use of "Mysoline" in epilepsy is well documented in the literature. Pertinent abstracts of important papers are included in the "Mysoline" brochure which is available on request.

"Mysoline" is supplied in 0.25 Gm. tablets (scored), bottles of 100 and 1,000.

*Timberlake, W. H., Abbott, J. A., and Schwab, R. S.: New England J. Med. 252:304 (Feb. 24) 1955.

"MYSOLINE"®

Brand of Primidone

in epilepsy

Ayerst Laboratories • New York, N. Y. • Montreal, Canada

Ayerst Laboratories make "Mysoline" available in the United States by arrangement with Imperial Chemical (Pharmaceuticals) Ltd.
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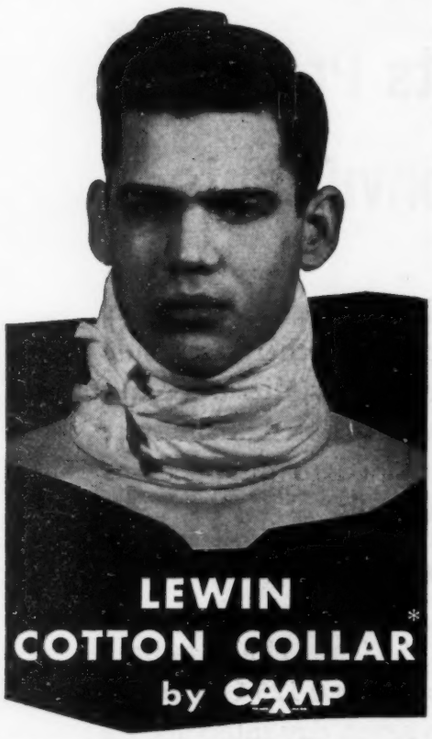
simple, comfortable, effective



LEWIN COTTON COLLAR* by CAMP

CAN BE USED IN CASES OF: arthrities, fibrositis, brachial neuropathy, radiculitis, the neck-shoulder-hand syndrome, muscle injuries and subluxation of vertebral articular facets.

HELPFUL IN: taking X-rays in cases of acute injuries, in infections, exposure to cold and dampness, neurologic lesions, poliomyelitis, and post-operative care.

HAS BEEN USED: in cases of certain ear conditions, in cases where casts or braces were formerly used, in occipital neuritis and painful swallowing. The Lewin Cotton Collar has also been used in conjunction with the Jackson Pillow or head traction or with the Tractolator.

SUPPORTS, PREVENTS FURTHER INJURY, PROTECTS AGAINST DRAFTS. HELPS RETAIN BODY HEAT, COMFORTABLE. CREATES MILD TRACTION, REMINDS PATIENT TO BE CAREFUL.

**As described in THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION, Vol. 155, No. 13, July 24, 1954.*

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TONICS AND SEDATIVES *(Continued)*

the poetry corner—

Her eyes are soft and limpid
As the blue Italian lakes,
And on their sandy bottoms
Belong the cakes she bakes.

♠

How sweet to waken in the morn
Without a care the mind to cumber,
Then hurry to the phone and find
Some fool is calling the wrong number.

♠

"Are you homesick?," her aunt asked the small girl who was away for the first time overnight.

"No," the child sobbed, "I'm here sick."

♠

Filling out an application for Dependents' Aid, a soldier answered "no" to the question as to whether he had any dependents.

"You're married, aren't you?," an officer asked.

"Yes," the soldier replied, "but she ain't dependable."

♠

Oscar Wilde arrived at his club one evening after witnessing a first production of a play that was a complete failure.

"Oscar, how did your play go tonight?," said a friend.

"Oh," was the lofty response, "the play was a great success, but the audience was a failure."

♠

A mother had been lecturing her small son stressing that we are in this world to help others.

He considered this, then asked somberly: "What are the others here for?"

—D. D.

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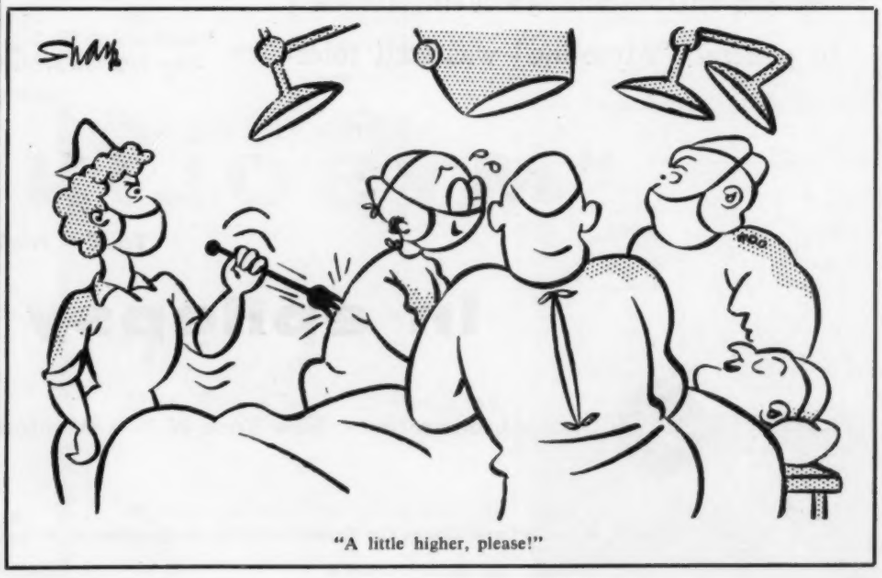
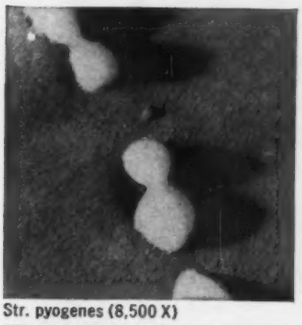


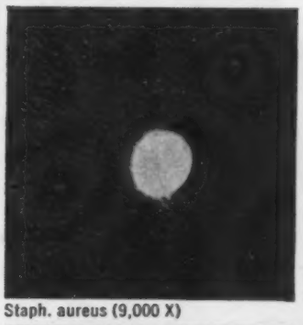
"A little higher, please!"

The organisms commonly involved in

Tracheobronchitis



Str. pyogenes (8,500 X)



Staph. aureus (9,000 X)

D. pneumoniae (10,000 X)

K. pneumoniae (13,000 X)

H. influenzae (16,000 X)

H. pertussis (7,500 X)

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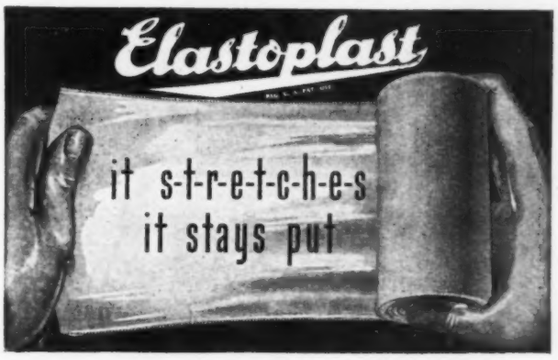

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The Bright Side

by E. K. H.

Red Skelton tells about the heavy drinker who went to his doctor for a check-up.

"Well," he asked, eagerly, "what's the verdict, Doc?"

"According to this analysis," answered the medico, "there is every indication that a small percentage of blood is getting into your alcohol stream."

✣

Peter Lind Hayes keeps his wife, Mary Healy, and their children in a constant state of nerves as he tries to fix his TV set for better sound, clearer picture, etc.

One night during a freak storm, the wind was howling and the shutters were banging. Mary ran upstairs to see if the children had been awakened. As she went into young Michael's room, he opened one eye sleepily.

"Mom," he murmured, "what's Daddy doing with the television set now?"

✣

Sir Cedric Hardwicke tells about a wide-eyed young drama student who asked John Barrymore if he thought Hamlet and Ophelia really had a romance.

"Well, young lady," said Barrymore, with fond reminiscence, "in *my* company they always did."

✣

The police lieutenant confronted his men in disgust. "So you let that crook get away, did you?" he barked. "Did you guard all the exits like I said?"

"Yes, sir," faltered one of the patrolmen, "but we think he musta left by one of the entrances."

✣

The pretty young thing smiled sweetly to the waiting line as she put another coin in the telephone slot.

"I won't be a minute this time," she confided. "I just want to hang up on him."

✣

Jimmy Durante tells about a neighbor of his who invited all the children on their block for a drive in her new convertible one afternoon. Distracted by the screams and tussling in the back seat, she failed to notice a red traffic light and was whistled to a halt.

The policeman came up, snarling: "Lady—don't you know when to stop?"

"Really, officer," she protested, flustered and blushing, "these aren't all *my* children."

✣

At McCarthy's Steak House in New York, someone told of the time Groucho Marx was sitting around in a friend's office when a luscious blonde came looking for his pal.

"He'll be gone for two weeks," said Groucho, "won't you come in and wait?"

✣

Eddie Albert, the veteran entertainer, tells about a village funeral in Vermont where everyone—children, middle-agers and oldsters—turned out. It was a fine funeral and the last to leave the cemetery was an aged codger wheezing along on a cane.

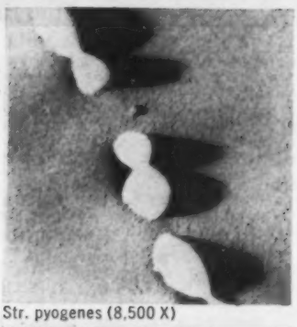
"Take it easy, Uncle Zeb," the caretaker cautioned. "You're gettin' a mite old."

"Hundred and one my next birthday," said Uncle Zeb proudly. Then with a twinkle: "Hardly worth while goin' home."

"I'm all confused. My mother tells me I'm going to get a little sister, and my father tells me I'm going to get a little brother. I don't know who to believe."

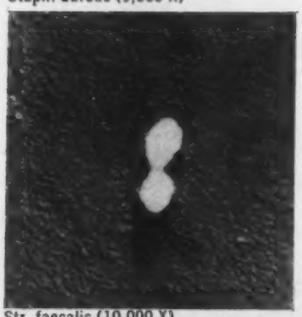
The organisms commonly involved in

Paronychia



Str. pyogenes (8,500 X)

Staph. aureus (9,000 X)



Str. faecalis (10,000 X)

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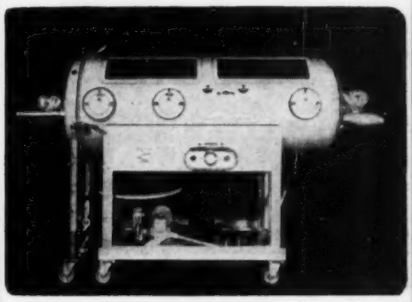

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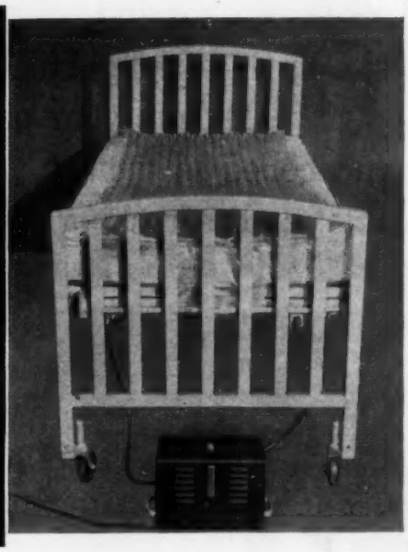

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With the aid of APP pads it has been found possible to keep the skin healthy with one-half the nursing care usually needed.

Paralyzed, comatose and severely debilitated patients are candidates for the pads, as are patients to whom routine turning is painful, or those in continuous traction or casts.

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(Continued from page 64)

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WANTED IMMEDIATELY — TRAINED ANESTHESIologist; to join an established group in expanding southeastern city; rapid rise to full partnership for ambitious man; equal distribution of work. Box 9168 C, % AMA.

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ANESTHESIOLOGIST — BOARD OR BOARD-ELIGIble; teaching and private practice in University Medical Center. Write: R. P. Bergner, M.D., Professor of Anesthesiology, University of Louisville School of Medicine, Louisville 2, Kentucky. C

INTERNIST AND PEDIATRICIAN—CERTIFIED OR eligible; for new group; Kentucky; 35 or over; solid citizens; guarantee and early partnership; modern air-conditioned building; personal interview only. D. L. Vaughn, MD, Henderson, Kentucky. C

WANTED — YOUNG PHYSICIANS; INDUSTRIAL pharmaceutical and chemical companies and hospitals; psychiatrists, anesthesiologists. Medical Personnel Agency, 7 East 42nd St., New York, New York. C

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ASSISTANTS: (n) By GP long-estab'd; res twn half-hour to Phil; $12,000. (o) By GP, long estab; substantial sal 1st 15 months, then partner; Calif. (p) GP; by GP long estab'd; duties, surg & Ob; about $12,000; MW.
GENERAL PRACTICE: (r) GP; impor indus med facility of well endowed organ; new hosp & clinic; $12,000 rising to $15,500; SE. (s) Ass'n, active 6 man grp; new bldg '54; about $12,000; partner 3rd yr w/out capital outlay; unlimited opper; nr Chgo. (t) Oppor assume long estab priv pract; 2 hours from S. F. Calif. (u) Ass'n, 6 man grp serv'g many industries; no GP or priv pract; outstand'g facil in modern, air-cond clinic; $10,000 plus % & early partner; large city, university med center; S.
INDUSTRIAL MEDICINE: (a) Med dir, 2 plants, heavy indus; $12-$18,000; E. (b) Med dir; large plant in Mich. (c) Med dir, fairly lge plant; one of finest med facilities; SE.
INTERNAL MEDICINE: (a) Ass'n; impor med facility; well-endowed indus organ; new clinic & hosp; to $20,000 rising to $25,000; SE. (b) Cardiologist; head dept staffed by Dipls or ellg; fairly lge grp; W.-Coast. (c) Qual endocrinology; ass'n, noted diagnostic grp staffed by 6 Board internists; oppor teach; lge city, univ med center; S. (d) Group ass'n; excel hosp facil; $18,000; SE. (e) Ass'n, division of arthritis, one of country's finest tch'g hosps; lge city, sev med schls.
OALR: (f) Oph, Dipl to dir dept, 12 cert men & hd dept, their new lge hosp; lge city; MW. (g) Oto; dir dept, impor indus facility; dept staffed by 18 men; excel hosp, 300 beds; univ city, 125,000; S. (h) Oph; ass'n with Board oph, FACS, ass't professor, oph; outstand'g potential; lge city, univ med center. (i) Oto; ass'n, 10 Board men, majority on faculty, med school.
OB-GYN: (h) Grp ass'n; own hosp 200 beds; $18,000; recommended; SE. (i) Academic post; clinical & research duties; faculty rank depend'g on qual. (j) Hd dept; grp yng Board men; own clinic bldg; oppty $15-$20,000; Mich.
ORTHOPEDICS: (l) Hd dept, excel diagnostic clinic staffed by 12 Board men; own 150 bed hosp; lge city, facil 2 med schls; Mid E. (m) Hd dept, 12 man grp long est, mostly Dipls; % basis w/excel guar, shld net $30-$35,000 in short time; indus twn 55,000; SW. (n) Ass'n w/orthoped, FACS; limiting pract to ortho surg; famous winter resort & commercial twn 50,000, Fla.
PATHOLOGY: (n) Ass'n w/eminent Bd path & faculty member 21 yrs, impor med sch; will inherit complete pract in 2 yrs; lge city; univ med center; very interest'g; E. (o) Dir dept, 2 vol gen hosps (275 beds); fee-for-service shld net $25-$30,000; Twn 30,000; MW.
PEDIATRICS: (n) Ass'n w/Board ped; twn 25,000 short distance to Los Angeles. (o) Ass'n; 20 man grp estab '37; excel facilities; twn 50,000; W. (p) Hd dept; recognize diagnostic clinic staffed by 12 Dipls; 150 bed hosp; lge city, univ med center; Mid E.
PSYCHIATRY & NEUROLOGY: (g) Neurologist Dipl; ass'n w/distinguished priv pract grp staffed by 18 specialists; affil 200 bd hosp; noted seaside resort; twn 65,000; Calif. (i) Psy; hd dept, 9 Board men; twn 50,000, short distance lge city, med center; MW.
RADIOLOGY: (a) Dir dept, gen hosp lge size; $50,000; E. (b) Dir dept, vol gen hosp, fairly lge size; outstand'g facil; twn 100,000, Gulf coast; attrac oppor. (c) Young rad finish'g res w/therapy & isotopes; ass'n w/Board rad, chief, grp staffed by 13 Dipls; own hosp; lge city, facilities 2 med schools; MW.
SURGERY: (c) Dipl; chief of surg, 150 bd hosp; will be req'd do small amt clinical wk; twn 20,000; West-Mtn. (d) Ass'n, grp 9 Board men or FACS, newly founded; attrac offer; senior status 5 yrs; twn 75,000; So-Calif. (e) Ass'n, small grp long estab; $12,000; Minn.
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UROLOGY: (v) Hd dept, 10 man grp estab '43; about $15,000; twn 60,000; SW.

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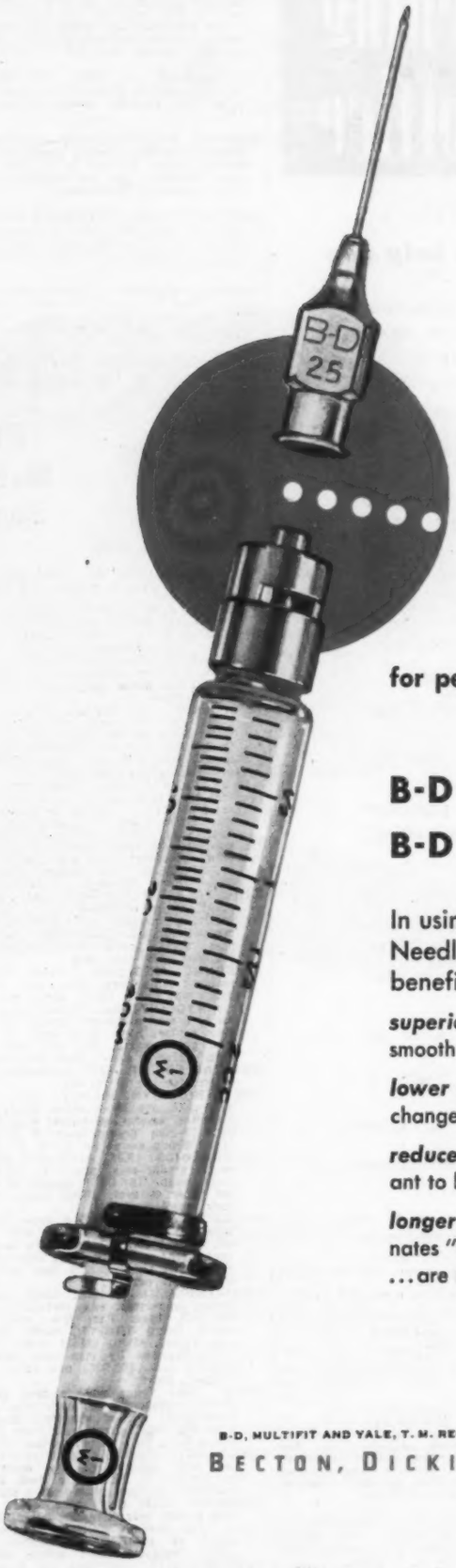
(Continued on page 82)



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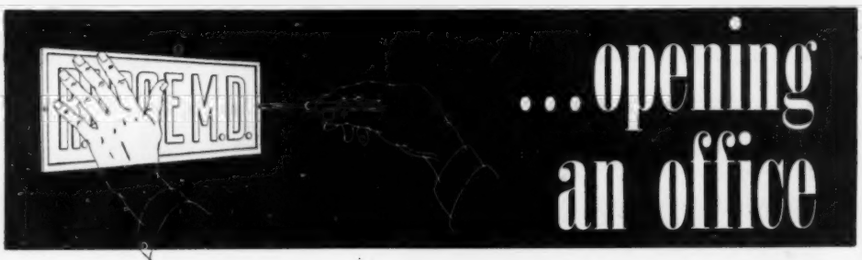

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(Continued from page 80)

WANTED — OBSTETRICIAN-GYNECOLOGIST; TO join established group of young general practitioners and Board specialists; clinic located in southeastern Ohio; excellent hospital with completely new maternity unit; democratic, enthusiastic, academic atmosphere; liberal annual vacation and study periods; salary excellent. Box 9114 C, % AMA.

WANTED—GENERAL PRACTITIONER ASSUME GOing general practice for 1 year or longer; net $1250 month minimum; reasonable housing available; ideal one planning specialization; nothing to purchase, no previous experience necessary; will introduce; recent draft-exempt graduate preferred. Box 9118 C, % AMA.

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CLINICAL PATHOLOGIST—AGE 42; BOARD CERTIfied; now directing laboratories in 4 hospitals+; seeks change of position in teaching and research or in large hospital; small university city and South or Southeast preferred. Box 9137 C, % AMA.

WANTED—PHYSICIAN; FOR N. P. HOSPITAL; 1540 beds; near Des Moines, Iowa. Apply to: Manager, VA Hospital, Knoxville, Iowa. C

WANTED—WELL TRAINED, BOARD CERTIFIED OR Board eligible young internists; for assignment to full-time staff, medical service, expanding 500 bed GM&S hospital +-+; major teaching unit affiliated with state university medical school; teaching experience and interest in clinical investigation desirable. Write: Manager, V. A. Hospital, Dallas 2, Texas. C

WANTED—INTERNIST OR GENERAL PRACTITIONer interested in medicine; to associate with general surgeon; salary leading to partnership; thriving Nebraska city of 10,000. Box 9127 C, % AMA.

VACANCIES — SENIOR PHYSICIANS WITH MINImum of 3 years psychiatric experience; excellent opportunities for advancement; beginning salary $8,340; nominal deduction for complete family maintenance; fully approved large eastern mental hospital with 3 year accredited residency training program; must be eligible for licensure in Connecticut. Box 9089 C, % AMA.

CONNECTICUT — TWO ASSISTANT PHYSICIANS wanted at State Training School; September 15th or October 1st; 5 day week, 8 hour shift and 15 days vacation; beginning salary $7080; attractive apartment; complete maintenance for $472 if single; $632 if married; no other expenses; save most of remaining salary; 1 year internship and citizenship required; Connecticut license required, but you may take 1st Board examination after arrival. Box 9109 C, % AMA.

RADIOLOGIST — 50 BED GENERAL HOSPITAL; fully-equipped for X-ray work; opportunity for qualified radiologist; financial future excellent. Box 9115 C, AMA.

GENERAL PRACTITIONER—CALIFORNIA LICENSE required; excellent working conditions; three man group; starting salary $10,000 to $12,000, percentage later; state experience, age and availability. Post Office Box 2132, Inglewood, California. C

WANTED—YOUNG PHYSICIAN WITH ONE OR TWO years of obstetrical training wanting to associate in Midwestern clinic group with large obstetrical practice; salary, percentage, partnership available to right man. Box 8882 C, % AMA.

WANTED—GENERAL PRACTITIONER; TOWN OF 2700, West Texas; only 2 doctors in town; operating 24 bed clinic-hospital; 1 leaving for residency; guarantee $750, monthly at start plus percentage; partnership later. Box 9102 C, % AMA.

WANTED — RESIDENT PHYSICIAN; LARGE GENeral hospital; to take histories and do physicals on patients. Box 9139 C, % AMA.

The Medical Bureau

PALMOLIVE BUILDING CHICAGO

ADMINISTRATION: (A92) Med. dir. take charge tch'g prog. for residents, interns; 750 bed tch'g hsp; med. center; MW.
ALLERGY: (Y3) Head, new dept, 38 man group; oppor. developing research projects; univ. city, Midsouth.
ANESTHESIOLOGY: (B78) Anes. group; univ. city, MW; oppor. partner.
ASSISTANTS: (C24) Surg. dept, 20 man group; univ. town, W; surg. training not req. (C25) By GP; busy pract; new office bldg; small town, near Chicago; early partner.
EENT: (E90) Oph. and Oto., Board men or elig; head depts, 22 man group; coll. town, 40,000 Rocky Mt. state; attractive offering, early partners. (E91) Oto., head dept, 12-man group; city 65,000 near lge city, med. center, MW; min. $18,000. (E92) Oph; 20 man group estab. '18; So. Calif.
GENERAL PRACTICE: (F96) Ass'n, GP group; county seat town near lge city, univ. med. center, So; partnership netting $20,000 or more. (F97) Ass'n, 10 man group estab. '20; univ. city, Calif; pref. one qual. surg. (F98) Ass'n, gen'l surg. and OB-GYN who have lge pract; pref. young GP with some surg. training; center, rural area, N. J; partner after 1st yr. (F99) To take charge, medical facilities, air base Phoenix Islands; year contract, renewable.
INDUSTRIAL MEDICINE: (G74) Med. dir; regional plant, major co; Mich. (G75) Newly created post involving preventive and constructive aspects of indus. med; Virginia. (G76) Physicians qual. for staff & adm. posts, indus. med; airplane company; $10-$12,000; univ. city, MW.
INTERNAL MEDICINE: (H72) Qual. dir. intern-resident tch'g prog; Dipl. exp. in tch'g req; min. $1200 mo; Calif. (H73) Ass'n. group of Board men; vic. NYC. (H74) Qual. rheumatology or endocrinology; ass'n, 6 man diagnostic group; tch'g oppor; lge city, med. center; SW. (H75) Qual. G. I. fluoroscopy; 12 man group, estab. '21; coll. town, 30,000; drawing area, 125,000; resort area, W; partner after yr.
MEDICAL EDITOR: (Z4) Outstanding oppor., important organ., leading in its field.
OBSTETRICS-GYNECOLOGY: (J41) Ass'n, Board obgyn; pref. one 39 or older, Dipl; town 30,000 short distances, several lge cities; New Jersey. (J42) Head dept, 8-man group; town of 50,000, SE TEXAS. (J43) Group ass'n; So. Calif. Coast.
ORTHOPEDICS: (K88) Ass'n, chief, orthopedic dept well estab. group, priv. pract; E. (K89) Ass'n, 20-man group estab. '18; Calif; because of partnership status, one under 40 pref. (K90) Ass'n, Board orthopedist; busy practice; Wis.
PATHOLOGY: (L44) Dir. & assoc. dir., 600 bed tch'g hosp; lge city, med. center; MW. (L45) Dir. dept, vol. gen'l hosp., 325 beds; new hosp. 600 beds, near completion; univ. city, So; min. guarantee, $20,000. (L46) Assoc. dir., 275 bed gen'l hosp; Florida; oppor. full partner.
PEDIATRICS: (M11) Head, newly created dept, 6 man group; long-estab, now staffed by men, average age 41; coll. town, Pac. NW; early partner. (M12) Ass'n, Board OB-GYN, estab. 24 yrs; lge pract; city, 70,000, Mich. (M13) Ass'n, 10 man group recently founded by men long estab; city 100,000, drawing area, 200,000; new clinic bldg; oppor. full partner; Calif.
P & N: (P31) Young psy. to head new dept, 38 man group; expansion prog; univ. city, MW. (P32) Med. neurologist; one of country's leading groups; own hosp, 400 beds; attrac. res. town, E. (P33) Ass'n, 2 Board NPs; sal., 1st yr; partner 2d; univ. city, MW.
RADIOLOGY: (R26) Dir. dept, 10 man group operating own hosp; suburb, lge city, Mich; rapidly growing community; %. (R27) Dir. dept, 20 man group, 200 bed hosp; practice draws from 6 states; early partner.
SURGERY: (U77) Gen'l surg. qual. thoracic surg; 20 man group; univ. city; W. (U78) Gen'l surg., Dipl. or elig; pref. 35-50; foreign operations, leading indus. co; excel. hosp. facilities; around $20,000. (U79) Preceptee; Calif. group; $500-$700.
TUBERCULOSIS: (V6) Med. dir. & supt., 110 bed san; $10,000-$11,000, plus furnished home; W.

Please send for our Analysis Form.

Burneice Larson DIRECTOR

(Continued on page 84)

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brand of water-soluble chlorophyll derivatives Ointment • Solution (Plain)

promoted normal healing

Tenosynovitis with ulcer following laceration. Continuous suppuration – five weeks. Three split-thickness grafts – unsuccessful.

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For example, a group of clinicians in government hospitals conducted a two-year study of eleven agents commonly used in the treatment of decubitus ulcers in paraplegics. The investigators concluded, "... [a] most effective agent is generally agreed to be chlorophyll ointment and liquid."*

*Pollock, L. J., and others: J.A.M.A. *146*:1551 (Aug. 25) 1951.

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- Ingeniously designed recording unit permits change of paper roll in about 10 seconds.
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QUARTZ STRING ELECTROCARDIOGRAPHS

(Continued from page 82)

WANTED—PHYSICIAN AND SURGEON; FOR CALIfornia institution for men near Los Angeles; California license not required until October 1, 1957; must pass state civil service examination within 9 months; excellent working conditions; complete mal-practice insurance provided by state; good retirement program; class A hospital; 40 hour work week; paid vacations, holidays and sick leave; salary $745-905. Contact: F. R. Dickson, Superintendent, California Institution for Men; P.O. Box 128, Chino, California. C

WANTED—TWO YOUNG PHYSICIANS WHO WISH to associate with a large Mid-West group for rotating service prior to resident's training or going into general practice. Box 9093 C, % AMA.

PUBLIC HEALTH OPENINGS — FOR PUBLIC Health Physicians in Kentucky; salaries up to $11,000 per annum. Contact: Bruce Underwood, M.D., State Health Commissioner, 620 South Third Street, Louisville 2, Kentucky. C

WANTED—INTERNIST; WHO HAS THE EQUIVAlent to or resident training in internal medicine. Box 9092 C, % AMA.

WANTED—GENERAL SURGEON; UNDER 35; BOARD certification desirable, not necessary; in 6 doctor clinic in central Texas; increasing percentage with $12,000 guarantee 1st year. Contact: Buie Clinic, Marlin, Texas. C

WANTED — FULL-TIME RADIOLOGIST; BOARD eligible or Board certified preferred; 437 bed general medical and surgical hospital +; service supervised by board certified consultant; hospital affiliated with Johns Hopkins and University of Maryland; nice housekeeping quarters available. Contact: Manager, Veterans Administration Hospital, Fort Howard 19, Maryland. C

WANTED—DOCTOR WITH ONE YEAR ACCREDITED internship and at least 1 year obstetrical training to work on salary for at least 2 years; license to practice in Tennessee; practice limited to obstetrics and gynecology in 50 bed hospital; salary open; submit professional qualifications and references. Box 9091 C, % AMA.

WANTED—GENERAL PRACTITIONER; FOR HOME, office, and hospital work; associated with busy physician and surgeon, desiring to retire; Ohio license; position permanent, salary $11,000 to $12,000, 1st year. Box 9096 C, % AMA.

WANTED — FOUR STAFF PHYSICIANS FOR 2300 bed state (mental) hospital; active out-patient clinic; salary plus complete maintenance. Contact: H. Sinclair Tait, M.D., Superintendent, Weston State Hospital, Weston, West Virginia. C

WANTED—ANESTHESIOLOGIST FOR STATE TUberculosis Hospital; qualified in giving anesthesia for thoracic surgery cases; Board eligible preferred. Address: P.O. Box 7206 Hackberry Station, San Antonio, Texas. C

WANTED PHYSICIAN—UNDER 35; TO JOIN LONGestablished group in central California; must have training, general and industrial surgery and willing to do some general practice; good starting salary, soon participating in co-partnership arrangement; give all information concerning self, training, habits, licensure, and when available. Box 9049 C, % AMA.

WANTED—PEDIATRICIAN; CERTIFIED OR BOARD eligible; to join well-established growing 12 man group partnership; rapid advancement to full partnership; excellent hospital facilities; Midwest. Box 9054 C, % AMA.

WANTED—INTERNIST; FOR SMALL GROUP ASSOciated with 2 general practitioners and Surgeon doing general practice; Ohio license; city and county trading population 70,000; salary $11,000 to $12,000 1st year. Box 9097 C, % AMA.

WANTED—EENT DEPARTMENT HEAD IN SIX DOCtor clinic in central Texas; either otolaryngologist or ophthalmologist acceptable; Board certification desirable, not necessary. Contact: Buie Clinic, Marlin, Texas. C

FELLOWSHIP IN CARDIOVASCULAR DISEASES—July 1, 1956; Board approved; graduate, class A school; 700 bed teaching hospital.*+ Apply: Medical Director, Indianapolis General Hospital, Indianapolis, Indiana. C

SHAY MEDICAL AGENCY

55 E. Washington Street
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Service of Distinction since 1914

ALLERGY: (a) Resrch fellow in ped., Ige. MW Hosp. (b) If you recently had 1-yr. trng. in recognized schl offering PG or fellowship work, we can refer you to a position paying $15,000; MW.

ANESTHESIOLOGY: To $20,000 start; new hospitals being opened this fall in South; 1-mo. vacation; expenses to 3 med. meetings a yr; lib. retirement prog.; affil. w/med. schls.

AVIATION: MW locations; exp. preferred but not nec.; $800.

DERMATOLOGY: (a) Lge. Fla. clin on Gulf; head dept; own the income less operating overhead. (b) Take over pract in area of 80,000 in Pac NW serviced by no other spec.; easily $30,000 in 5 yrs.

ENT: (a) To $20,000 start, Certified, new hospitals being opened this fall in So.; 1-mo. vacation, lib. retirement pension; affil. w/med schls. (b) Have you thought about "living" in Hawaii? We have an associateship current paying to $1000 a mo. (c) MW clin. of 11 needs replacement; at least $12,000.

EENT: (a) Work w/3 man grp. in mod. well-equipped clin; $1000; Ohio. (b) Locations for priv. pract. & practices for sale, Calif, Ill, Ind, Mont, NMex, N.C., Ohio, etc.

GENERAL: (a) Hawaii, Alaska. (b) Okla; Grp; $10,000 1st yr; prtnrshp after 3 yrs. (c) Are you about 30 yrs. of age interested in joining man in same age bracket on prtnrshp basis in MW; family type pract. w/gross income of about $30,000 which can be doubled. (d) Lucrative, well-est. business, built over 37 yrs; MW; Univ city; to $1000. (e) 3d man in grp w/some Indus; III; full time; comm. w/min. guar. (f) New clin. bldg. across from hosp; Ill; $800 1st 6 mos., prtnrshp after 2nd yr. (g) Locations priv. pract in any preferred area.

INDUSTRIAL: (a) Head Med. Dept., MW Corp; 40 hrs; $10,000. (b) Plant phys.; $675; 8-4:30; 5 days; Ill license. (c) Nev. co. employing 225 men; sal. open. (d) Sev. good insurance openings for young men; East.

INTERNAL MEDICINE: (a) To $20,000 start, new hospitals being opened this fall in South; 1-mo. vacation, expenses to 3 med meeting a yr; lib. retirement program; affil w/med. schls. (b) w/1-yr trng in gastroent. & able to do flurosccpy; Fla; $1000 w/future %. (c) Do you want to gain exp. in cert. internist's office? we have good opening for asst. in Mich.

NEUROLOGY: Sev. unusual openings, Calif, Mass, Mont, NY, Tex.

NEUROSURGERY: Grps, assn; assist, priv. pract, various locations.

OBSTETRICS-GYNECOLOGY: (a) Clin. on coast So. Calif; eventually join prtnrshp of 8. (b) Asst. or assoc. Prof. level; so. Univ; to $10,000 plus priv. pract.

OPHTHALMOLOGIST: (a) Take over Calif. pract. grossing $50,000. (b) $1000 a mo. net 1st yr. guar. min; immediate; equip furnshd; future prtnrshp; agr., Indus. & coll. twn in Ky. (c) Assn, later prtnrshp, NJ, $12,000 1st yr; resrch facil. avail.

ORTHOPEDICS: (a) Well-known SW clin; finan. arrangements open. (b) Clin; W.Va; $14,000.

PATHOLOGY: (a) Clin, MW, base pay & bonus. (b) hosps, MW, $30,000, to $22,000 on % basis, etc. (c) Clin, MW, to $25,000.

PEDIATRICS: Prtnrshp w/Cert. man; Ky.

PSYCHIATRY: (a) Clin. Dir.; to $11,280; East. (b) MW clin; sal plus comm, prtnrshp in 2 yrs. (c) State hospitals, various locations.

PUBLIC HEALTH: Colo dept. serving 36,000 people; $600 start.

RADIOLOGY: (a) Instructor & Asst. Rad.; Calif; new dept; $9960. (b) Chief, deep south; position carries Sr. title to Ige Univ.

RESIDENT PHYSICIAN: Primarily an Internist versed in geriatrics & w/diag. abil.; SW; 120 bed hosp; $10,000 plus apt.

SURGERY: (a) To $20,000 start; new hospitals being opened this fall in South; 1-mo. vacation; expenses to 3 med. meetings a yr; lib. retirement prog.; affil. w/med. schls. (b) w/exp. in thoracic; MW clinic; sal. start, future prtnrshp. (c) Tex clin; $12,000. (d) Part time; NY; w/busy surg. in priv. pract; opptny. to improve operative tech. & surg. knowledge; $600 mo.

TUBERCULOSIS: (a) Asst. Supt. w/some knowl. ped; $8580; NEng. (b) Staff, MW hosp; 40 hrs; exp. nec; $7932. (c) Med. Dir-Supt; to $11,000 w/residence; West.

UROLOGY: Assn; Chgo; yng; to $10,000 if elig; sal. adjusted for Cert man.

SHIP'S DOCTOR: southern shipping co. will have openings in 2-3 mos. for voyages extending as far as Buenos Aires; reviewing candidates now.

Upon request one of our applications will be mailed to you. Write us today—a post card will do.

(Continued on page 86)

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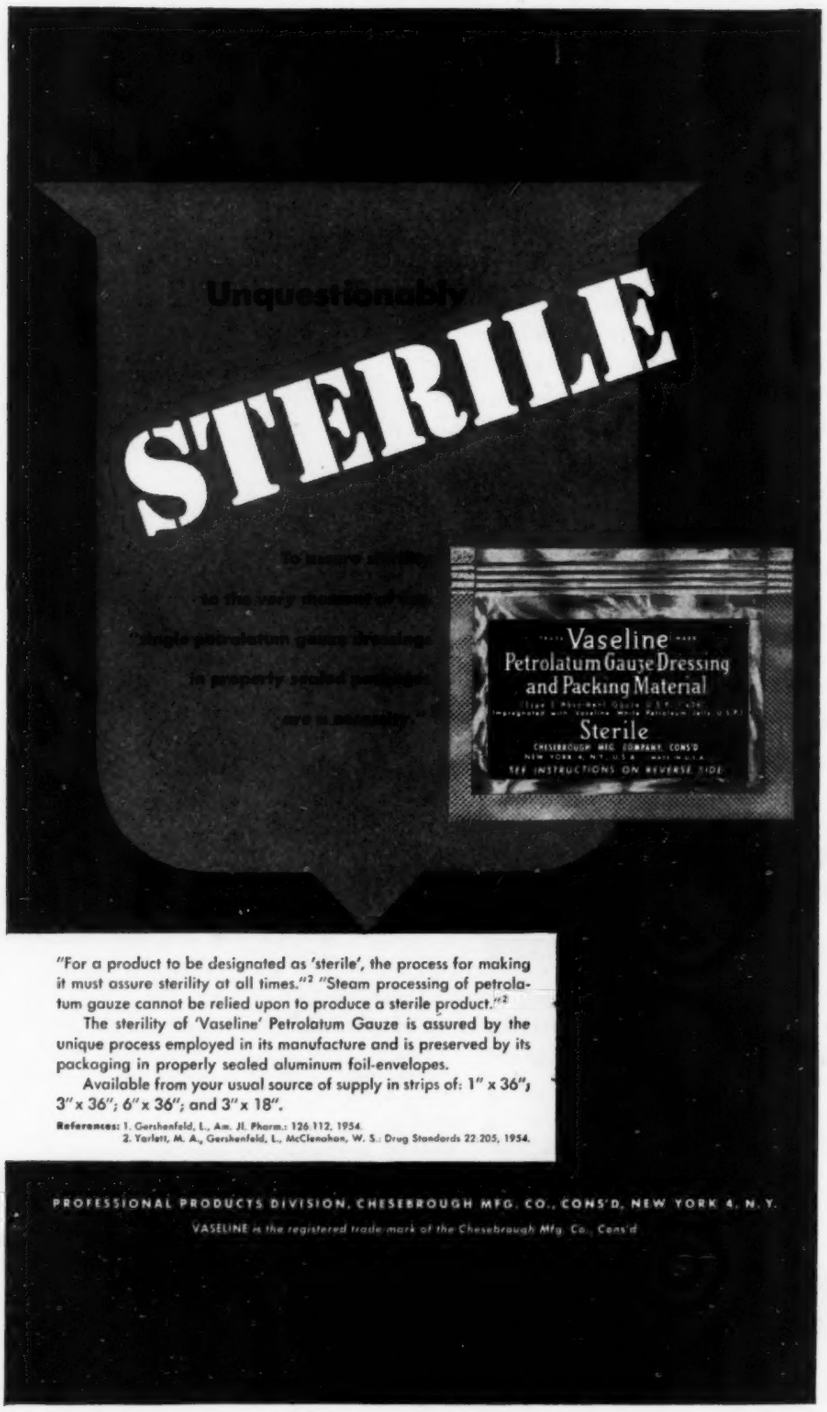
*Le Van, P., Sternberg, T. H., and Newcomer, V. D., Cal. Med., 81: 210-213, Sept. 1954.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Available from your usual source of supply in strips of: 1" x 36", 3" x 36"; 6" x 36"; and 3" x 18".
References: 1. Gershenfeld, L., Am. Jl. Pharm.: 126:112, 1954.
2. Yarlett, M. A., Gershenfeld, L., McClenahan, W. S.: Drug Standards 22:205, 1954.
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(Continued from page 84)

PSYCHIATRIST WANTED—MUST BE GRADUATE class A medical school with accredited residency training; research or educational duties along with general responsibilities; salary from $1050 to $1290 according to experience. Write to: Superintendent, State Hospital, Jamestown, North Dakota. C

GENERAL PRACTITIONER — GROUP PRACTICE; 60 miles New York City; approved school graduate; good beginning salary; excellent opportunity participate diagnostic work with certified specialists, future advancement, further training; send record of medical training and personal data to: Dr. John Sarno, Fishkill Medical Group, Fishkill, New York. C

ANESTHESIOLOGIST—BOARD OR ELIGIBLE; MODerate size California city; excellent opportunity; send details. Box 9033 C, % AMA.

PATHOLOGIST — BOARD OR ELIGIBLE; CHIEF, laboratory with interest in research; 450 bed hospital; adequate staff; all necessary equipment and space; standard VA perquisites; salary to $13,760; outstanding community with good school system in hill country of southwest Texas. Write: Manager, VA Hospital, Kerrville, Texas. C

PHYSICIAN—MAN, UNDER 50 PREFERRED; CLASS A graduate; full-time position, university health service; large mid-west school; some Hygiene teaching; starting salary, $9000 per year. Box 9101 C, % AMA.

GENERAL PRACTITIONER WANTED—FOR INDUStrial and mining town, Northeastern Washington; area population approximately 1300; present physician classed 1A; house and equipped office available; private hospital 10 miles distant; write for particulars. Box 9056 C, % AMA.

PATHOLOGIST—STATE TUBERCULOSIS HOSPITAL; location particularly attractive to physician retiring from Armed Forces; Address: P.O. Box 7206 Hackberry Station, San Antonio, Texas. C

WANTED—ORTHOPEDIST; DIPLOMATE OR BOARD eligible; for association with well-established 42 year old orthopedist; view towards early partnership; group and private practice. Long Island, New York; full details 1st letter. Box 9057 C, AMA.

OPHTHALMOLOGIST — THERE ARE THREE GOOD openings in rich agricultural areas in central California for Board or eligible men wishing to enter private practice; if interested give full particulars, schooling, training, references, etc., in 1st letter. Box 9058 C, % AMA.

GENERAL PRACTITIONER — OCTOBER 1ST; SIX bed fully-equipped, rent free clinic; town 1200; hospital 12 miles; net $20,000 plus; specializing; house available; south Georgia. Dr. J. R. Duley, Nicholls, Georgia.

OPPORTUNITY FOR A SERVICE EXEMPT YOUNG practitioner; in a prosperous northern New York industrial, farming city of 16,000; send detailed particulars. Box 8987 C, % AMA.

PSYCHIATRIC RESIDENTS AND STAFF PHYSIcians; urgently needed at Embreeville State Hospital +; 1 hour west of Philadelphia. Write or call: A. O. Hecker, M.D., Superintendent, Embreeville State Hospital, Embreeville, Pennsylvania. C

ASSOCIATE WANTED—IN MID-WEST; MUST HAVE training in general surgery or obstetrics and be willing to do general practice. Box 9048 C, % AMA.

PSYCHIATRIC ASSISTANT—GRADUATE APPROVED school; holding valid State License, with 1 year residency or 3 years institutional experience; for State hospital with average census of 435 and annual admissions 240; active diversified service; salary $647 to $787; entrance salary dependent upon qualifications. Submit professional qualifications and references first letter to: Superintendent, P.O. Box 2460, Reno, Nevada. C

EXCELLENT OPPORTUNITY—FOR YOUNG, ENERgetic physician in medical service department of rapidly expanding eastern pharmaceutical company; some private practice background desirable; applicants are requested to send full résumé including age, education, experience, draft status, and minimum salary desired. Box 8927 C, % AMA.

WANTED—AMERICAN BOARD SPECIALISTS; PHYsicians interested in group or private practice, teaching, research, public health or industrial medicine; National and International services. Burneice Larson, Director, Medical Bureau, Palmolive Building, Chicago. C

ORTHOPEDIST, RADIOLOGIST, OPHTHALMOLOgist; certified; under 40; hospital clinic group unusually fine men; Michigan license. Continental Medical Bureau, Agency, 510 West 6th Street, Los Angeles 14. C

OTOLARYNGOLOGIST—WASHINGTON; SHOULD BE at least Board eligible for 6 man specialty group; salary open, opportunity for partnership. Good location. Pacific Coast Medical Bureau Agy., 703 Market, San Francisco. C

ASSOCIATE FOR OBSTETRICS-GYNECOLOGY, GENeral surgery; experience required; starting salary $8,000 per year. Dr. W. K. Gauthier, MD., Metairie Hospital, 310 Codifer Blvd., New Orleans 20, Louisiana. C

BOARD CERTIFIED PEDIATRICIANS, OBSTETRIcian-gynecologists, pathologists and radiologists; to head departments of new hospitals, South; to $20,000 to start. New York Medical Exchange, 489 Fifth Avenue, New York City. Patricia Edgerly, Director. C

ORTHOPEDISTS — MANY EXCELLENT OPPORtunities in the San Francisco Bay area; groups—associations, early partnerships. Contact: Pacific Coast Medical Bureau Agy., 703 Market, San Francisco. C

GROUP CLINIC—OBS. GYN AND A PEDIATRICIAN; New Jersey license; 60% gross collections. New York Medical Exchange, 489 Fifth Avenue, New York City. Patricia Edgerly, Director C

GENERAL PRACTITIONER OR INTERNIST — REorganization of old, very successful Southern California group opens opportunity for highly lucrative practice on percentage basis. Business and Medical Registry, 610 So. Broadway, Los Angeles, California. C

INTERNS AND RESIDENTS WANTED

The ★ signifies a hospital approved for internships and the + approved for residencies in specialties by the Council on Medical Education and Hospitals of the A. M. A. Consult Council's approved list for types of internships and residencies approved.

APPROVED PSYCHIATRIC RESIDENCY — 500 BED hospital+ in Chicago medical center; Dean's committee supervised didactic clinical program on 95 bed psychiatry and neurology service affiliated with University of Illinois, Loyola University, Chicago Medical School, Institute for Juvenile Research, County Psychopathic Hospital, and large out-patient clinic. Write: Manager, Veterans Administration, West Side Hospital, 820 S. Damen, Chicago 12, Illinois. D

APPROVED RESIDENCIES—INTERNAL MEDICINE with all subspecialties, available quarterly; Veterans Administration Hospital,+ Dayton, Ohio; 3-4 year program; citizenship required; salary: $2840-$3550 per year; affiliated and supervised by Ohio State University Medical School. Apply: Dr. E. VonHaam, Chairman, Dean's Committee, Ohio State University Medical Center, Columbus 10, Ohio. D

RESIDENCY IN PATHOLOGY—RESIDENCY AVAILable immediately in 325 bed hospital*+ affiliated with Northwestern University Medical School; fully approved in anatomical and clinical pathology. Apply: Administrator, Evanston Hospital, 2650 Ridge Avenue, Evanston, Illinois. D

RESIDENCIES NOW AVAILABLE—IN GENERAL surgery and pathology; 360 bed general teaching hospital *+ and large diagnostic clinic; all departments adequately staffed by Board certified MDs and Ph.Ds. Apply: Administrator, Robert Packer Hospital, Sayre, Pennsylvania. D

WANTED — SURGICAL RESIDENTS; FIRST; SECond and 3rd year man; approved residency; midwest hospital and clinic; position available immediately; state license by examination or reciprocity required; adequate stipend. Box 9147 D, % AMA.

ANESTHESIOLOGY—ONE FIRST AND ONE SECOND-year residency available. Write: Chairman, Section on Anesthesiology, University of Louisville School of Medicine,*+ Louisville 2, Kentucky. D

(Continued on page 89)

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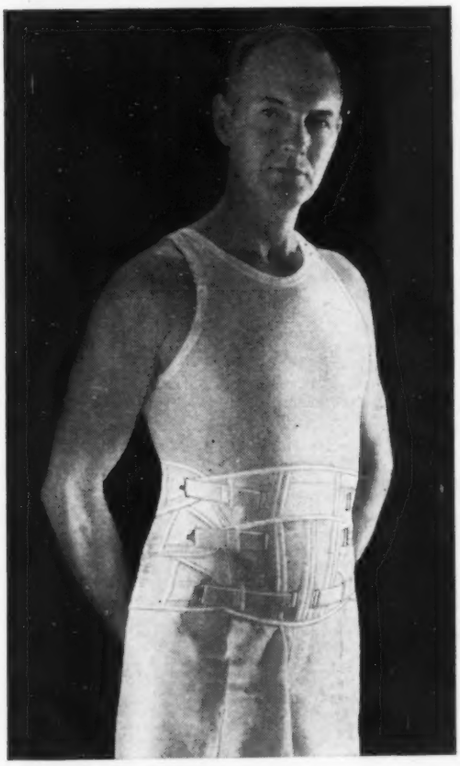
Many physicians have found lightweight, flexible Spencer Supports helpful for both male and female patients — following abdominal surgery. By encouraging erect posture while muscle tone is being regained; by providing protection and a feeling of comfortable security; a Spencer contributes to your patient's confidence and well-being.



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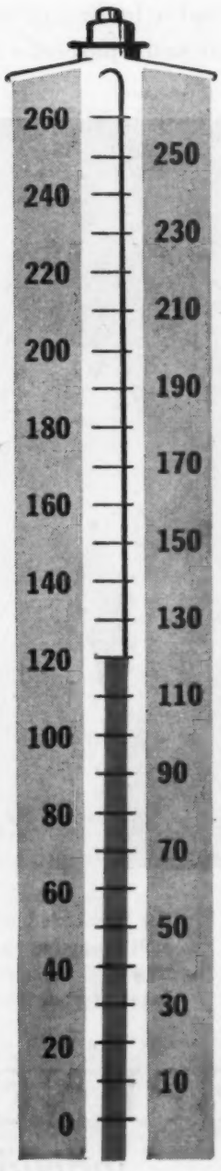

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(Continued from page 86)

PSYCHIATRIC RESIDENTS — NEW PLAN PAYING $34,800 offering 3 years fully-approved training in University+ psychiatric institute followed by 2 years supervised experience; open only to graduates of approved medical colleges. Box 9166 D, % AMA.

AVAILABLE IMMEDIATELY — APPROVED RESIdencies in pathology and general practice, also obstetrics and gynecology available July 1, 1956, approved residencies in surgery, internal medicine, pediatrics, radiology, pathology and general practice; other residencies offered in urology, obstetrics and gynecology, eye and tuberculosis; salaries $325 to $425 per month; final citizenship papers required; 320 acute beds in well-equipped County Hospital*+ with full accreditation and active staff participation; located in community of 130,000 population. Administrator, Kern, General Hospital, Bakersfield, California. D

WANTED — PEDIATRIC RESIDENT; OCTOBER 1, 1955; service fully-approved; 50 bed hospital+; $300 per month with maintenance. Dr. J. Buren Sidbury, Babies' Hospital, Wilmington, North Carolina. D

WANTED—RESIDENT IN OPHTHALMOLOGY; PREfer candidate's having had basic science course in ophthalmology; approved residency in 450 bed general community hospital*+; teaching hospital for Medical College of South Carolina. Apply: C. A. Robb, Superintendent, Roper Hospital, Charleston, South Carolina. D

PSYCHIATRIC RESIDENCIES—THREE YEARS ACcredited; available immediately; Kansas University Medical Center + and Kansas City General Hospital*+ under the auspices of the associated psychiatric faculties. For details write: Dr. Milton E. Kirkpatrick, 2200 McCoy, Kansas City, Missouri. D

APPROVED RESIDENCIES IN PSYCHIATRY — State license or previous experience not required; $345 to $415 beginning; yearly increase; small deduction if maintenance in hospital desired for self and wife; near front range of Rockies. Superintendent, Colorado State Hospital,+ Pueblo, Colorado. D

ASSISTANT RESIDENCY IN INTERNAL MEDICINE; excellent educational service; available immediately; new 600 bed general hospital*+; 3 year Board approved program; residency stipend, (married) $250. Write: Director, Miami Valley Hospital, Dayton 9, Ohio. D

OTOLARYNGOLOGY RESIDENCY — APPROVED BY Council on Medical Education and Hospitals, American Medical Association and Joint Commission on Accreditation of Hospitals; 48 beds. The Harlem Eye and Ear Hospital,+ 2090 Lexington Avenue, New York City 35. D

ANESTHESIOLOGY RESIDENCIES—AT UNIVERSITY of Minnesota Hospitals, Minneapolis Veterans Administration Hospitals and associated hospitals; an opening every 4 weeks. Address: Frederick H. Van Bergen, MD, Director of Anesthesiology, University of Minnesota Hospital, Minneapolis, Minnesota. D

RESIDENT—INTERNAL MEDICINE WANTED; PROgram Board approved for 3 years; must be eligible for Indiana license; 700 bed teaching hospital.*+ Apply: Medical Director, Indianapolis General Hospital, Indianapolis, Indiana. D

RESIDENT WANTED — PATHOLOGY; APPROVED for 3 years; available immediately; 242 bed general hospital*+; $200 per month with full maintenance. Apply: R. A. Burger, MD., Methodist Hospital, Gary, Indiana. D

ANESTHESIOLOGY RESIDENT — FOR IMMEDIATE appointment; fully approved; good teaching and research facilities. F. P. Ansbro, M.D., St. Catherine's Hospital,*+ 133 Bushwick Avenue, Brooklyn 6, New York. D

WANTED — RESIDENTS IN PSYCHIATRY; THREE year approved residencies available; large eastern mental hospital; excellent teaching program therapeutic procedures; salary $5,280-$6,600. Box 9088 D, % AMA.

RESIDENCY IN OBSTETRICS AND GYNECOLOGY—available in fully approved, large university teaching hospital.*+ Apply: Superintendent, City Hospital, Cleveland 9, Ohio. D

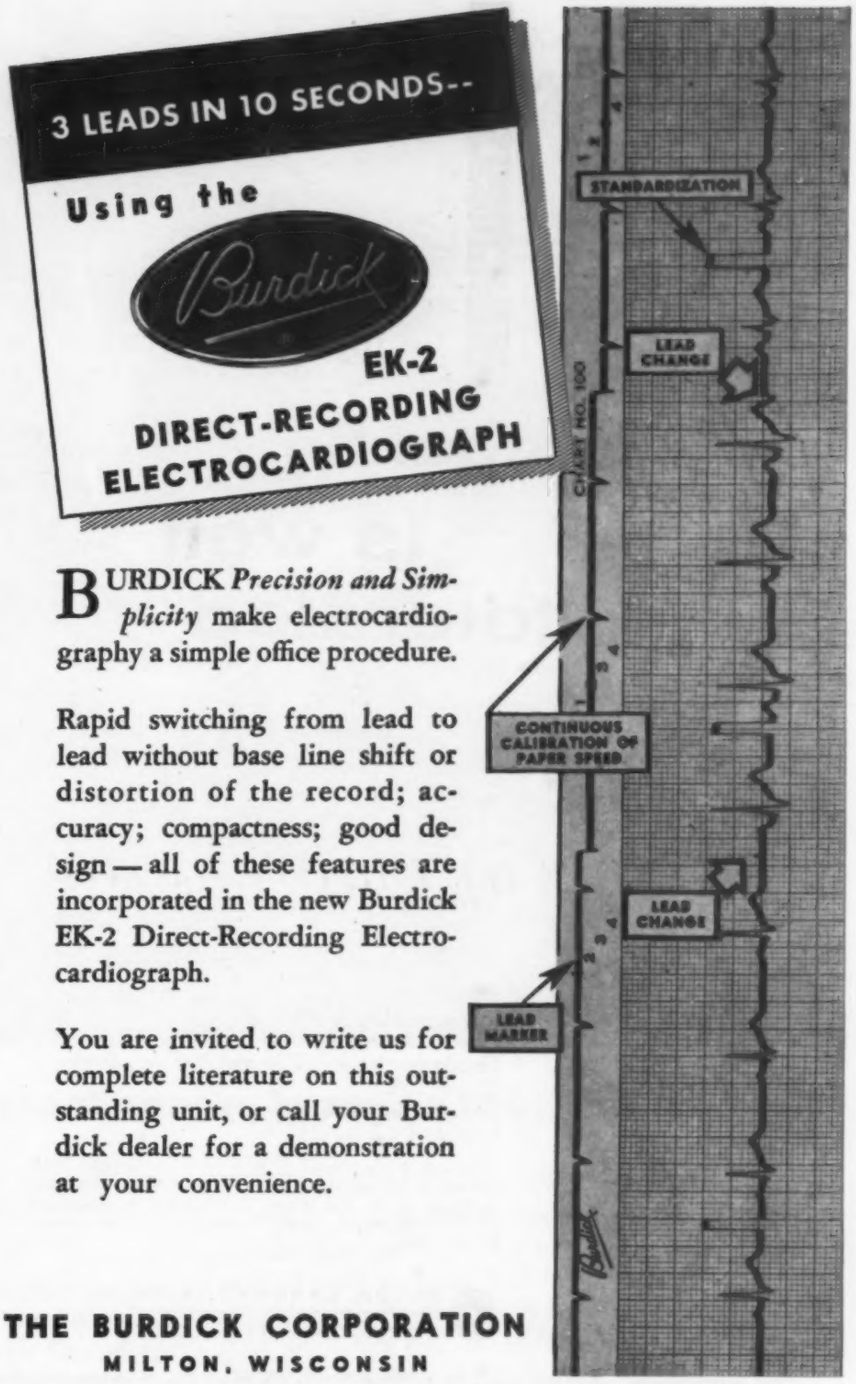
ASSISTANT OB-GYN RESIDENCY—AVAILABLE IMmediately; 3 year approved program, 400 bed Ohio hospital*+; $250 month plus maintenance. Box 9110 D, % AMA.

PSYCHIATRY—BARNES HOSPITAL*+ — THREEyear approval; versatile residency offering supervised dynamic psychotherapy, excellent opportunities for research, training in neurology, recognized child guidance clinic, outpatient and inpatient therapy in new university psychiatric hospital, psychosomatic medicine closely allied with internal medicine; close liaison of university with psychoanalysts; St. Louis a city with artistic, intellectual facilities; program and salary flexible; full maintenance. Write: E. F. Gildea, MD, Department of Neuropsychiatry, Washington University Medical School, St. Louis, Missouri. D

RESIDENCIES AVAILABLE—VETERANS ADMINIStration Hospital +; large southern medical center affiliated with Tulane University and Louisiana State University Schools of Medicine; fully-approved; citizenship required; openings now in urology, orthopedics, pathology, radiology and psychiatry; openings July 1, 1956 in internal medicine, general surgery, urology, orthopedics, ophthalmology, radiology, pathology and psychiatry. Apply: Manager, Veterans Administration Hospital, New Orleans, Louisiana. D

APPROVED RESIDENCY RADIOLOGY — 450 BED hospital,*+ expanding to 750 beds; full maintenance, uniforms and liberal stipend. Apply: C. W. Reavis, M.D., Radiologist, Baroness Erlanger Hospital, Chattanooga, Tennessee. D

MEDICAL RESIDENCY—OPENINGS IN FIRST AND 2nd year program of approved residency in internal medicine in an 800 bed university-affiliated county hospital.*+ Apply: Medical Director, Los Angeles County Harbor General Hospital, 1124 West Carson Street, Torrance, California. D



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INTERNSHIP APPOINTMENTS — 12 MONTHS ROtating; available immediately and January 1st; 250 beds and 50 bassinets; active teaching program by Board certified specialists; medical, pediatrics, and obstetrical out-patient clinics; fully-equipped diagnostic X-ray, deep therapy, and physical therapy departments; 4000 emergency room cases in 1954; $125 monthly, with quarters, board, and laundry. Write: St. Mary's Long Beach Hospital.* Long Beach, California. D

WANTED — RESIDENT PHYSICIAN; MIXED RESIdency; for 150 bed approved general hospital; appointment for 1 year; salary $300 per month plus full maintenance; applicant must be graduate approved school with MD degree plus 1 year approved internship. Apply: Administrator Robinson Memorial Hospital, Ravenna, Ohio. D

RESIDENT CHEST DISEASES — APPROVED HOSpital*+; 460 beds including 144 bed tuberculosis division and chest clinic; recent graduate; 1 year residency or equivalent preferred; must be U. S. citizen; eligible for California license; beginning salary $433 monthly, meals and laundry. Apply: Director, Thoracic Service, Santa Clara County Hospital, San Jose, California. D

SURGICAL RESIDENCY—AVAILABLE JANUARY 1, 1956; to graduate of American medical school; Hamot Hospital,*+ Erie, Pennsylvania; 441 bed general hospital; salary $200 plus maintenance. Box 9045 D, % AMA.

GENERAL PRACTICE ROTATING RESIDENCIES—Available July 1, 1955; salary $385 per month; must be citizen; 100 bed hospital well-equipped and with full accreditation of Joint Commission. Write: Administrator, Tulare County General Hospital, Tulare, California. D

MIXED RESIDENCY—ONLY THOSE ELIGIBLE FOR licensure in the State of Pennsylvania need apply; new 300 bed hospital 34 miles Pittsburgh; outpatient department; application pending approval interns; salary $5000 annually plus maintenance; excellent quarters. Write details, training, and experience: Administrator, Butler County Memorial Hospital, Butler, Pennsylvania. D

INTERNAL MEDICINE—APPROVED FELLOWSHIP; stipend $200. Alton Ochsner Medical Foundation,+ 3503 Prytania Street, New Orleans 15. D

INTERNS WITH EXPERIENCE WANTED—160 BED modern progressive, general voluntary hospital; surgery is particularly active; maintenance plus $300 monthly. Adelphi Hospital, 50 Greene Ave., Brooklyn 38, New York. D

(Continued on next page)

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1. Carroll, G., and Brennan, R. V.: J. Urol. **71**: 650, 1954. 2. Ford, R. V., and Maluf, N. S. R.: J. Urol. **72**: 959, 1954. 3. Hasen, H. B., and Moore, T. D.: J.A.M.A. **155**: 1470, 1954. 4. Mintzer, S., et al.: Antibiotics & Chemotherapy **3**: 151, 1953.

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TWO YEAR RESIDENCY—APPROVED BY AMERICAN Board of Anesthesiology; openings available now; stipend $162-$202 per month; full maintenance. Address: Phillip S. Marcus, MD, Director of Anesthesiology, Boston City Hospital,*+ Boston, Massachusetts. D

RESIDENCY IN OPHTHALMOLOGY — TWO YEAR approved residency available July 1, 1956; in large, active general hospital *+; stipend $300 per month; prefer candidate with completed basic science course in ophthalmology. Apply to: the Medical Director, General Hospital of Fresno County, Fresno, California. D

WANTED—PATHOLOGIST; TO ACT AS ASSOCIATE of our pathologist (Board member) commencing January 1, 1956 in 306 bed fully-approved hospital at Williamsport, Pennsylvania. Contact: D. W. Hartman, Administrator. D

WANTED—RESIDENT IN PATHOLOGY; FOR ONE or 2 years; beginning January 1, 1956; in 306 bed fully-approved general hospital,*+ at Williamsport, Pennsylvania. Contact: D. W. Hartman, Administrator. D

RESIDENCY IN PATHOLOGY—UNEXPECTED VACANCY has arisen which makes a 1-year pathology residency available for immediate appointment; excellent training all phases of pathology, well-equipped laboratory in rapidly expanding hospital *+ of 511 beds; training program fully-approved for 4 years; 2 Board qualified pathologists. Write: D. G. Henderson, M.D., Pathologist, Aultman Hospital, Canton, Ohio. D

RESIDENCIES WANTED

PSYCHIATRIC RESIDENCY—WOMAN PHYSICIAN; middle age; class A foreign school; fluent English; citizenship; approved internship and 2 years psychiatric training; institutional experience; good references; any location. Box 9157 % AMA.

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LARGE, ACTIVE GENERAL PRACTICE AND OFFICE for rent; for 3 years beginning July 1956; no initial investment; immediate income. Write: J. Sakson, 117 Centre St., Trenton, New Jersey. G

SITUATIONS WANTED

INTERNIST—BOARD ELIGIBLE; 39; FAMILY; DESIRES location private practice or group association; prefers Middle Atlantic States or Southeastern Coast area; chief interest cardiology; adequate hospital essential. Box 9151 I, % AMA.

PEDIATRICIAN — 33; BOARD CERTIFIED; MILITARY service 8 years; desires association with pediatrician or small group; good location for private practice also considered. Box 9170 I, % AMA.

OBSTETRICIAN AND GYNECOLOGIST—FRCS. (C). Board eligible; Minnesota license; age 36; desires association in private or group practice. Box 9169 I, % AMA.

LAB TECHNICIAN — GRADUATING SEPTEMBER 31st from Cook County Graduate School; wants position in the Garfield Park or Austin or Columbus Park area. Call: CHesapeake 3-5950 Chicago, Illinois. I

OBSTETRICIAN-GYNECOLOGIST — 34; MARRIED; category IV; Board eligible; desires suitable location or association. Box 9163 I, % AMA.

OBSTETRICIAN-GYNECOLOGIST—OBSTETRICS PREferred; draft exempt; grade A school and residencies; experienced and successful; desires relocation and association with individual, group, clinic or hospital on salary or guaranteed net income basis; minimum $18,000. Box 9160 I, % AMA.

OBSTETRICS-GYNECOLOGY—TWO MAN ASSOCIATion; Board qualified; ages 30, 31; married; families; Category IV; university trained; California-Illinois license; want independent or group practice in California. Box 8847 I, % AMA.

INTERNIST—36; COMPLETING FOUR YEARS RESIdency (university) June 1956; trained in GI. and cardiac fluoroscopy; desire solo, association with internist or small group; prefer South. Box 9172 I, % AMA.

GENERAL PRACTITIONER—34; TIRED, WANTS TO leave busy general practice for industrial, research or public health; married, Category IV; prefer the West. Box 9174 I, % AMA.

FOREIGN APPOINTMENT—INTERNIST; 32; SINGLE; category IV; Part I Boards; desires association company, government, group for overseas assignment; clinical or research; will travel; private practice experience; available short notice. Box 8979 I, % AMA.

PRECEPTORSHIP IN GENERAL SURGERY DESIRED; with established surgeon; age 32; married; category IV, Diplomate National Boards; 2 years surgical training in service; 1 year general practice. Box 9021 I, % AMA.

GENERAL PRACTITIONER — 30; FAMILY; CATEgory IV; 2 years private practice; desires association with individual or small group in San Francisco area or Southern California Coast. Box 9070 I, % AMA.

DERMATOLOGIST — 34; MARRIED; VETERAN; Board eligible; available November 1955 when specialty training completed; desire association, solo or group practice. Box 8896 I, % AMA.

VETERAN GYNECOLOGIST — FICS; LICENSED IN New York and Pennsylvania; desires association with group or individual; object activity; terms secondary. Box 8918 I, % AMA.

INTERNIST — BOARD CERTIFIED; 32; MARRIED; military service completed; desire location to practice internal medicine, association with individual or group; considers situation with pharmaceutical or insurance company. Box 8942 I, % AMA.

PEDIATRICIAN—44; BOARD ELIGIBLE; MARRIED; 2 children; 13 years experience successful private practice; interested in California location; have Ohio and California license; association with busy pediatrician, or small group; good location for private practice also considered. Box 8777 I, % AMA.

YOUNG ANESTHESIOLOGISTS—TO FORM GROUP of two to four; 2 certified, 2 Board eligible, want private fee position accredited hospital desiring anesthesia department and future residency; preferably eastern. Box 9136 I, % AMA.

GENERAL SURGEON—32; M.D., M.S. (ANATOMY), Northwestern; Board certified; DNB; abdominal, fracture, cancer, gynecologic, surgery; substantial experience; Chief of Surgery, USPHS; family; priority IV; desire association individual or group; West preferred. Box 9106 I, % AMA.

GENERAL SURGEON — BOARD QUALIFIED; 33; university training general and traumatic surgery; 2 years practice; part I Boards; desires association with surgeon. Box 9134 I, % AMA.

HEALTHY VETERAN — 36; LEAVING GENERAL practice; desire position New York City using my medical background; languages, oratorio basso; capabilities of salesman, teacher, administrator, advisor. Box 8916 I, % AMA.

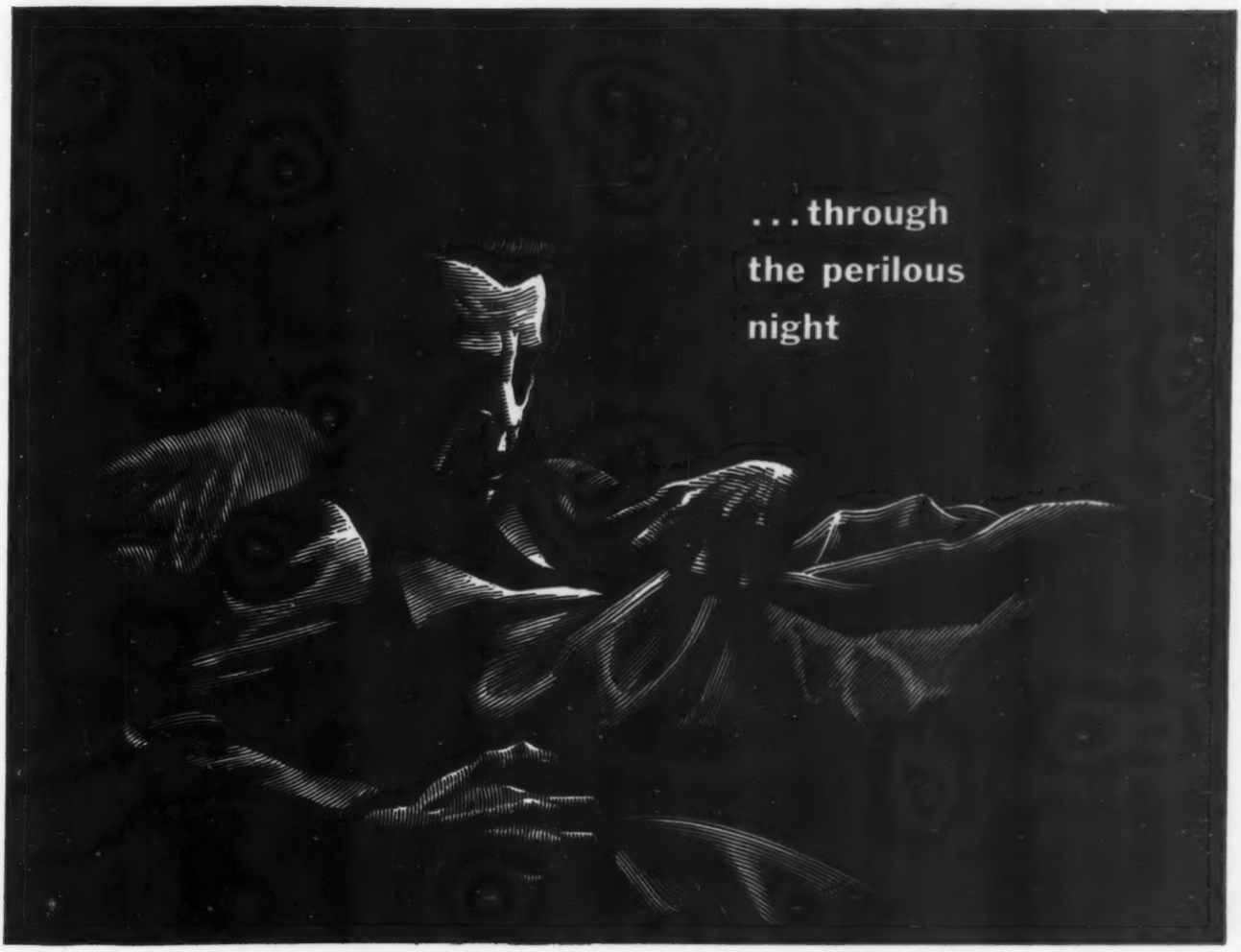
INTERNIST-CARDIOLOGIST — UNIVERSITY trained; Board eligible; category IV; 31; family; desire relocation for private practice, association, or consider pharmaceutical or insurance company. New York license, National Boards. Box 9087 I, % AMA.

OTOLARYNGOLOGIST OR EENT — BOARD CERTIfied; university trained; full field ENT, eye, allergy subspecialties; desire practice, association or location, any state; also California license; immediate availability. Box 9055 I, % AMA.

GENERAL SURGEON—BOARD CERTIFIED; AGE 31; Korean veteran; Diplomate National Board; family; desires location preferably in East. Box 9071 I, % AMA.

RADIOLOGIST—CERTIFIED; MARRIED; VETERAN; seeks to relocate Mid-West, prefer group or clinic arrangement; will consider part time position leading to permanent affiliation: Box 9066 I, % AMA.

(Continued on page 94)



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1. Winsor, T., and Humphreys, P.: Angiology *3*:1 (Feb.) 1952. 2. Plotz, M.: New York State J. Med. *52*:2012 (Aug. 15) 1952. 3. Dailheu-Geoffroy, P.: L'Ouest-Médical, vol. 3 (July) 1950.

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(Continued from page 90)

UROLOGIST — 31; WELL-TRAINED SURGEON AND resectionist; Board eligible 3 years residency followed by 32 months urological practice in an Army general hospital; available October. Box 9073 I, % AMA.

GENERAL SURGEON—WRITING CANADIAN FRCS this fall; 2 years thoracic surgery training; available in October; will consider fellowship or residency in cardiovascular surgery. Box 9085 I, % AMA.

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(Continued on page 96)

BOOKS RECEIVED

Books received by THE JOURNAL *are acknowledged in this column. Selections will be made for more extensive review in the interests of* THE JOURNAL *readers as space permits. Books listed in this department are not available for lending or sale through the American Medical Association.*

Teaching Physiology and Anatomy in Nursing: Signposts for Science Teachers. By Hessel H. Flitter, R.N., B.S., M.A., Assistant Professor and Consultant on Curriculum and Evaluation, School of Nursing, University of Pennsylvania, Philadelphia, and Harold R. Rowe, R.N., B.S., M.S., Assistant Professor and Advisor to Hospital Contract Program (Central Science Teaching Service), School of Nursing, University of Pennsylvania. With special reference to textbook: Physiology and Anatomy, by Esther M. Greisheimer, seventh edition. Cloth. $2. Pp. 56. J. B. Lippincott Company, 227-231 S. Sixth St., Philadelphia 5; 2083 Guy St., Montreal, Canada; Sir Isaac Pitman & Sons, Ltd., 39 Parker St., Kingsway, London, W.C.2, England, 1955.

A Handbook of First Aid & Bandaging: Both an Elementary and Advanced Course of Training. By Arthur D. Belilios, M.B., B.S., D.P.H., Lecturer, Wimbledon Technical College, London, Desmond K. Mulvany, M.S., F.R.C.S., F.R.C.P., Surgeon, Hospital of St. John and St. Elizabeth, London, and Katharine F. Armstrong, S.R.N., S.C.M., D.N. With foreword by Sir Cecil P. G. Wakeley, Bt., K.B.E., C.B., Senior Surgeon, King's College Hospital, London. Fourth edition. Cloth. $2.75. Pp. 463, with 200 illustrations. Baillière, Tindall & Cox, 7-8 Henrietta St., Covent Garden, London, W.C.2, England; American agent: Williams & Wilkins Company, Mount Royal and Guilford Aves., Baltimore 2, 1955.

Essentials of Biological and Medical Physics. By Ralph W. Stacy, Ph.D., Associate Professor, Laboratory of Biophysics, Department of Physiology, Ohio State University, Columbus, David T. Williams, Ph.D., Ralph E. Worden, M.D., Associate Professor, Physical Medicine and Rehabilitation, College of Medicine, Ohio State University, and Rex O. McMorris, M.D., Associate Professor and Chairman, Department of Physical Medicine and Rehabilitation, University of Louisville Medical School, Louisville, Ky. With introduction by Otto Glasser, Ph.D., F.A.C.R. Cloth. $8.50. Pp. 586, with illustrations. McGraw-Hill Book Company, Inc., 330 West 42nd St., New York 36; 95 Farringdon St., London, E.C.4, England, 1955.

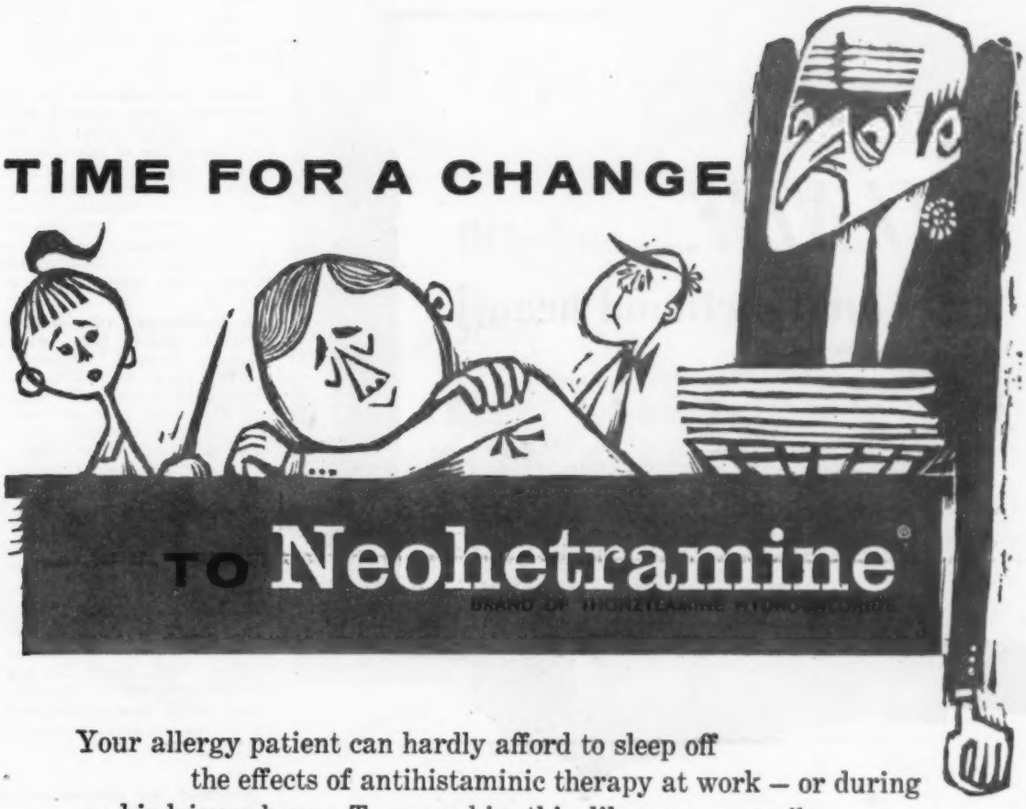
Denial of Illness: Symbolic and Physiological Aspects. By Edwin A. Weinstein, M.D., Associate Attending Neurologist, Mount Sinai Hospital, New York, and Robert L. Kahn, Ph.D., Research Psychologist, Mount Sinai Hospital, New York. Publication number 249, American Lecture Series, monograph in Bannerstone Division of American Lectures in Neurology. Edited by Charles D. Aring, M.D. Cloth. $4.75. Pp. 166. Charles C Thomas, Publisher, 301-327 E. Lawrence Ave., Springfield, Ill.; Blackwell Scientific Publications, Ltd., 49 Broad St., Oxford, England; Ryerson Press, 299 Queen St., W., Toronto 2B, Canada, 1955.

Psychopathology and Education of the Brain-Injured Child. Volume II: Progress in Theory and Clinic. By Alfred A. Strauss, President and Director, Cove Schools for Brain-Injured Children, Racine, Wisconsin, and Evanston, Illinois, and Newell C. Kephart, Professor of Psychology, Purdue University, Lafayette, Ind. In collaboration with Laura E. Lehtinen and Samuel Goldenberg. Cloth. $6. Pp. 266, with 37 drawings by Caspar Henselmann. Grune & Stratton, Inc., 381 Fourth Ave., New York 16; 99 Great Russell St., London, W.C.1, England, 1955.

The Halogenated Aliphatic, Olefinic, Cyclic, Aromatic, and Aliphatic-Aromatic Hydrocarbons Including the Halogenated Insecticides: Their Toxicity and Potential Dangers. By W. F. von Oettingen, M.D., Ph.D. United States Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases. Public Health Service publication no. 414. Cloth. $2.50. Pp. 430, with illustrations. Superintendent of Documents, Govern. Print. Off., Washington 25, D.C., 1955.

(Continued on page 96)

TIME FOR A CHANGE



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WANTED—(a) SENIOR LAB. TECH; preferably B.S. or M.S. with one of following experiences: ultracentrifuge, electrophoresis, viscosity, osmotic pressure, physical biochemistry; medical school lab; West. **(b) CHIEF LAB. TECH;** M.S. degree, min. 5 yrs exp; teh'g hosp; Midwest; $6000. **(c) CHIEF TECH;** 28 man clinic, 225 bed hosp; univ. city; SW. **(d) CHIEF TISSUE TECHNICIAN;** new dept, univ. med. school; So. **(e) CHIEF TECH;** 150 bed hosp; small town, med. center for 35,000; short distances 2 med. schools; staff of Board men; excel. lab. dept; $425-$450; Wis. **(f) LAB. TECH;** qual. X-ray take charge labs, busy GP; resort town, Calif; $400 plus %. **(g) SENIOR BACT;** public health dept. E; min. $5000. **(h) X-RAY TECH;** small hosp; coastal town, Oregon. Medical Bureau, Burneice Larson, Director, Palmolive Building, Chicago. L

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WANTED—ALL TYPES OF MEDICAL AND SURGICAL equipment; medical missionary leaving for French West Africa in December to set up hospital. Write to: Dr. Sidney R. Correll, 329 Pleasant St., Dayton 3, Ohio. M

(Continued on page 98)

(Books Received Continued)

Vital Statistics of the United States, 1952. Volume I: Introduction and Summary Tables, Tables for Alaska, Hawaii, Puerto Rico, and Virgin Islands, Marriage, Divorce, Natality, Fetal Mortality and Infant Mortality Data. Prepared under supervision of Halbert L. Dunn, M.D., Chief, National Office of Vital Statistics. United States Department of Health, Education, and Welfare, Public Health Service, National Office of Vital Statistics. Cloth. $3.50. Pp. 335. Superintendent of Documents, Govern. Print. Off., Washington 25, D.C., 1955.

Curso extraordinario de cancerología para graduados: Actas, agosto 2 al 7 de 1954, Buenos Aires. Prof. Dr. Abel N. Canonico, director. Organizado por el Instituto de medicina experimental "Angel Roffo" y la II Cátedra de clínica quirúrgica. Auspiciado por la Facultad de ciencias médicas y la Comisión nacional de la energia atómica. Director honorario de curso, Prof. Dr. George T. Pack. Paper. Pp. 346, with 3 illustrations. Ministerio de educación, Universidad de Buenos Aires, Buenos Aires, Argentina, [n.d.]

A Stereoscopic Atlas of Human Anatomy. By David L. Bassett, M.D., Associate Professor of Anatomy, Stanford University, California. Section I: The Central Nervous System. Reels 1-8; 9-18; 19-28; 29-34; Index. Cloth, loose-leaf. $27.50. With 238 stereoscopic transparencies in full color by Wm. B. Gruber. Sawyer's Inc., Portland, Oregon; Canadian Camera Specialties, Ltd., Vancouver, B. C.; Camera Store, Hamilton, Bermuda; [Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore 2], 1952.

Salaries of Local Public Health Workers. Report prepared in cooperation with American Public Health Association, Association of State and Territorial Health Officers, and National Organization for Public Health Nursing. United States Department of Health, Education, and Welfare, Public Health Service, Bureau of State Services, Division of General Health Services. Public Health Service publication no. 425. Paper. Pp. 41. Government Printing Office, Washington 25, D.C., 1955.

Handbuch der mikroskopischen Anatomie des Menschen. Begründet von Wilhelm v. Möllendorff. Fortgeführt von Wolfgang Bargmann. Band IV: Nervensystem. Teil 2: Plexus und Meningen. Bearbeitet von Georges Schaltenbrand. Saccus vasculosus. Bearbeitet von Emmi Dorn. Paper. 11.20 marks. Pp. 195, with 176 illustrations. Springer-Verlag, Reichpietschufer 20, (1) Berlin W.35 (West-Berlin); Neuenheimer Landstrasse 24, Heidelberg; Göttingen, Germany, 1955.

Enfisema pulmonar crónico: Fisiopatología y tratamiento. Por Mauricio S. Segal, profesor de clínica médica, Escuela de medicina Tufts, Boston, y M. J. Dulfano, residente, Departamento de terapéutica inhalatoria, Hospital de Boston, Boston, Mass. Traducción de los doctores Remo H. Stupenengo y José Skibinsky. Prólogo del Prof. doctor Blas Moia. Cloth. Pp. 192, with 32 illustrations. Editorial Artecnica, Venezuela 1702, Buenos Aires, Argentina, 1955.

Journées internationales de médecine sportive militaire, 21-25 juin 1954. La nage en surface et sous-marine appliquée aux nécessités de la Marine militaire. Conseil international des sports militaires, semaine de la mer, Académie navale, Livorno. Supplément de la revue "Annali di medicina navale e tropicale." Paper. Pp. 176 with illustrations. Bureau sportif de la Marine militaire italienne, Direction générale de la santé militaire maritime, Rome, Italy, 1955.

Hoher Blutdruck. Von Dozent Dr. med. habil. Gerhard Bilecki, I. medizinische Universitätsklinik der Charité, Berlin. Mit einem Beitrag über Clearance-Ergebnisse beim Hochdruck von Dr. med. Dieter Klaus, I. medizinische Universitätsklinik der Charité, Berlin, und einem Geleitwort von Professor Dr. Dr. Dr. Th. Brugsch. Cloth. 19 marks. Pp. 245, with 58 illustrations. VEB Gustav Fischer Verlag, Villengang 2, Jena 15b, Germany, 1955.

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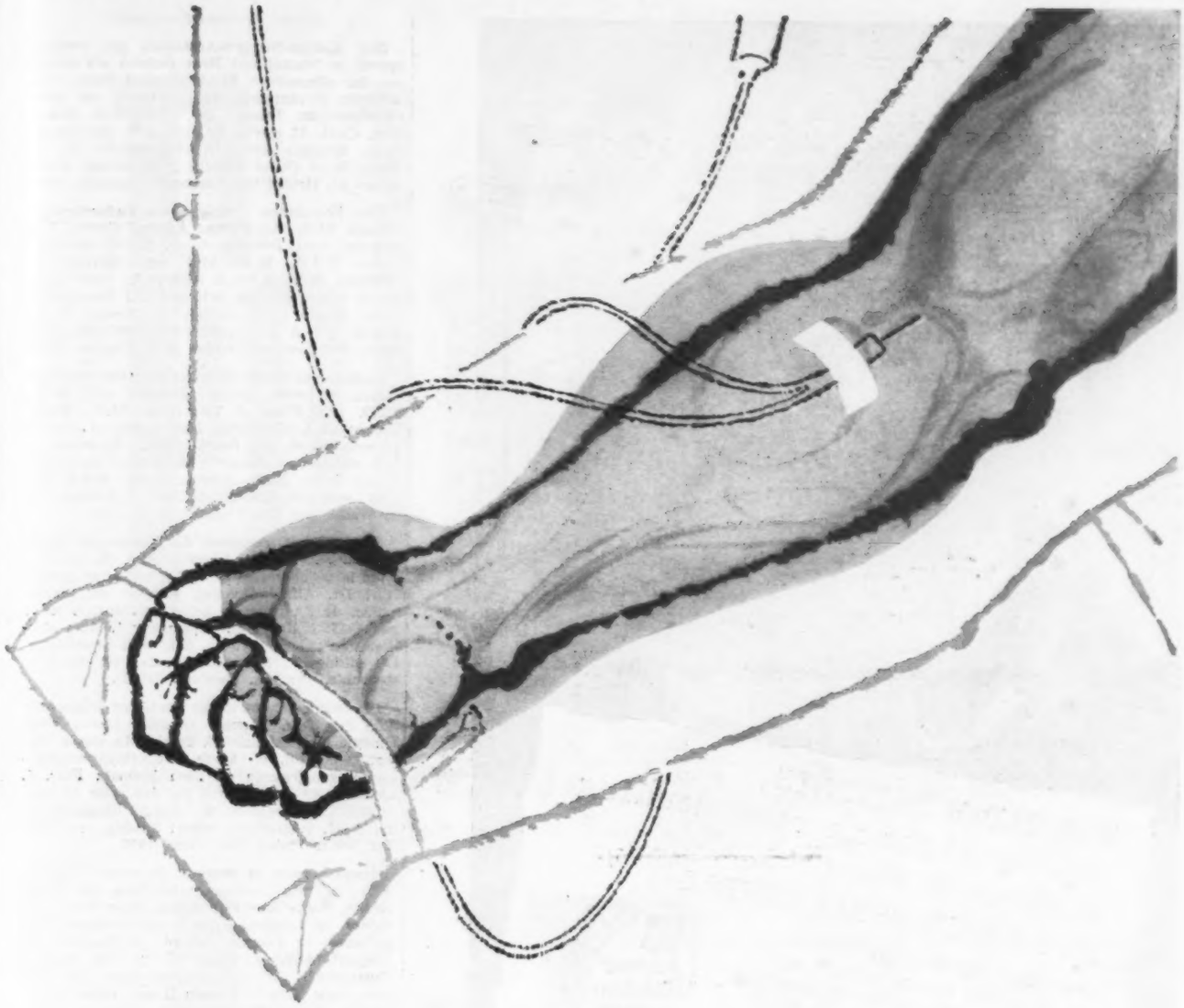

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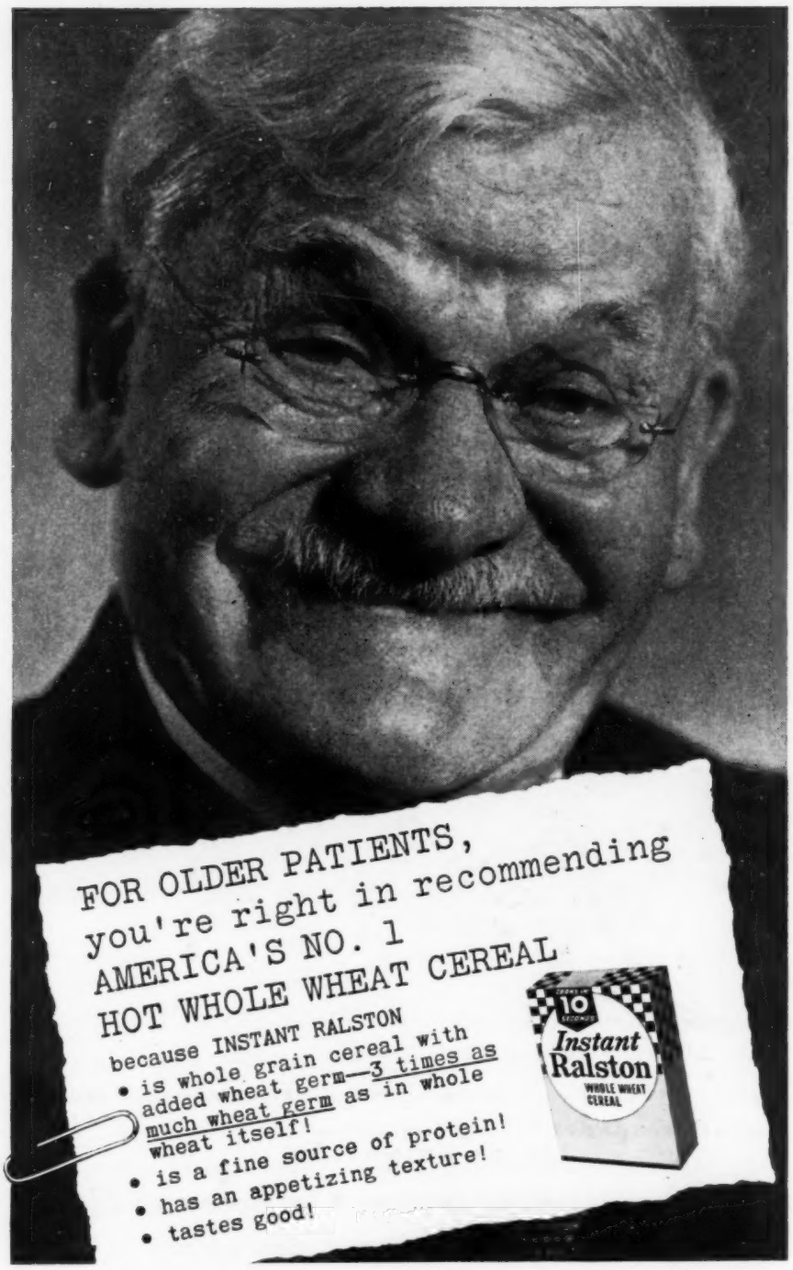
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ILLINOIS—ACTIVE GENERAL PRACTICE IN GROWing town of 70,000, has 2 open staff hospitals; gross over $26,000; down payment not necessary. Contact: Max Schlosser, 924 South 21st Street, Decatur, Illinois. P

ILLINOIS—FOR SALE, MODERN, ACTIVE, 6 YEAR established general practice with equipment; excellent hospital nearby; town of 2,000; no competition; immediate income; $3,500; leaving to specialize. Box 9132 P, % AMA.

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(Continued on page 100)

(Books Received Continued)

Der Kalium-Natrium-Austausch als Energieprinzip in Muskel und Nerv zugleich ein Grundriss der allgemeinen Elektropharmakologie. Von Albrecht Fleckenstein, apl. Professor am pharmakologischen Institut der Universität Heidelberg. Cloth. 33 marks. Pp. 157, with 101 illustrations. Springer-Verlag, Reichpietschufer 20, (1) Berlin W.35 (West Berlin); Neuenheimer Landstrasse 24, Heidelberg; Göttingen, Germany, 1955.

Ciba Foundation Colloquia on Endocrinology. Volume VIII: The Human Adrenal Cortex. Editors for Ciba Foundation: G. E. W. Wolstenholme, O.B.E., M.A., M.B., and Margaret P. Cameron, M.A., A.B.L.S. Assisted by Joan Etherington. Cloth. $10. Pp. 665, with 227 illustrations. Little, Brown and Company, 34 Beacon Street, Boston 6; J. & A. Churchill Ltd., 104 Gloucester Place, Portman Sq., London W.1, England, 1955.

Medical and Public Health Laboratory Methods. Edited by James Stevens Simmons, S.B., M.D., Ph.D. and Cleon J. Gentzkow, M.D., Ph.D., Bureau of Laboratories, Department of Health, Commonwealth of Pennsylvania. Successor to fifth edition of Laboratory Methods of the United States Army. [Sixth edition.] Cloth. $18.50. Pp. 1191, with 124 illustrations. Lea & Febiger, 600 S. Washington Sq., Philadelphia 6, 1955.

Diagnostic et traitement des hémorragies digestives aiguës. Par Fr. Moyson et A. de Scoville. Avec la collaboration de S. Godart, et al. Rédacteur: Dr. Alfred Dumont. Rapport au congrès annuel de l'Association belge de chirurgie le 21 mai 1955, à Bruxelles. Supplement 1, Acta chirurgica belgica. Paper. Pp. 144, with illustrations. Les editions "Acta medica belgica," 64, rue de la Concorde, Brussels, Belgium, [1955].

Die Organpunktion in der klinischen Diagnostik. Von Priv.-Doz. Dr.med. Heinrich Lüdin, medizinische Universitätsklinik Basel. Mit einem Vorwort von Prof. H. Staub. Bibliotheca haematologica, supplementa ad Acta haemat., Fasc. 1. Cloth. 33.80 Swiss francs. Pp. 160, with 84 illustrations. S. Karger A. G., Arnold Böcklinstrasse 25, Basel, Switzerland; Albert Phiebig, P. O. Box 352, White Plains, New York, 1955.

Man's Mastery of Malaria. By Paul F. Russell, M.D., M.P.H., Division of Medicine and Public Health, Rockefeller Foundation, New York. University of London Heath Clark lectures 1953, delivered at London School of Hygiene and Tropical Medicine. Cloth. $6. Pp. 308, with 21 illustrations. Oxford University Press, 114 Fifth Ave., New York 11; Amen House, Warwick Sq., London, E.C.4, England, 1955.

Blutgerinnungsfaktoren. Von Erwin Deutsch, Dr. med., Privatdozent an der I. medizinischen Universitätsklinik in Wien. Band I, Einzeldarstellungen aus dem Gesamtgebiet der Biochemie: Neue Folge. Herausgegeben von O. Hoffmann-Ostenhof. Cloth. 42 marks. Pp. 298, with 35 illustrations. Franz Deuticke, Helferstorferstrasse 4, Vienna 1, Austria; [I. R. Maxwell & Co., Ltd., London], 1955.

Biologie cellulaire. Par Léon Hirth, professeur agrégé au Lycée Buffon, et Joseph Stolkowski, Docteur és Sciences, professeur agrégé au Lycée Buffon. "Euclide": Introduction aux études scientifiques. Biologie animale, section dirigée par Maurice Caullery. Paper. 2000 francs. Pp. 408, with 190 illustrations. Presses universitaires de France, 108 boulevard Saint-Germain, Paris 6e, France, 1955.

Bakteriologie und Serologie: Ausgewählte Untersuchungsmethoden für das bakteriologische und serologische Laboratorium. Von Dr. Lothar Hallmann. Second edition. Cloth. 58.50 marks; $13.90. Pp. 850, with 273 illustrations. Georg Thieme Verlag, Herdweg 63, (14a) Stuttgart, Germany; distributed in U. S. A. and Canada by Intercontinental Medical Book Corporation, New York 16, 1955.

Adolescent Development. By Elizabeth B. Hurlock, Ph.D., Associate in Psychology, Graduate School, University of Pennsylvania, Philadelphia. McGraw-Hill Series in Psychology, Clifford T. Morgan, consulting editor. Second edition. Cloth. $6. Pp. 590, with 49 illustrations. McGraw-Hill Book Company, Inc., 330 W. 42nd St., New York 36; 95 Farringdon St., London, E.C.4, England, 1955.

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(Books Received Continued)

Minor Surgery. By John E. Sutton, M.D., F.A.C.S., Assistant Clinical Professor of Surgery, Cornell University Medical College, New York. Handbooks for General Practitioner. Cloth. $7. Pp. 334, with 102 illustrations. Landsberger Medical Books, Inc.; distributed by Blakiston division of McGraw-Hill Book Co., Inc., 330 W. 42nd St., New York 36; 95 Farringdon St., London, E.C.4, England, 1955.

Maladies infectieuses. Par Paul Milliez et Françoise Bonnenfant. Avec la collaboration de H. Brocard et al. Collection médico-chirurgicale à révision annuelle. Directeur général: Pasteur Vallery-Radot. Secrétaire général: Jean Hamburger. Cloth, loose-leaf. 8400 francs. Pp. 1313, with 78 illustrations. Editions médicales Flammarion, 22 rue de Vaugirard, Paris 6e, France, 1955.

Diseases of the Ear, Nose and Throat. By William Wallace Morrison, M.D., Professor of Otolaryngology and Director of Department, New York Polyclinic Postgraduate Medical School and Hospital, New York. Foreword by Arthur W. Proetz. Second edition. Cloth. $10. Pp. 756, with 359 illustrations. Appleton-Century-Crofts, Inc., 35 West 32nd St., New York 1, 1955.

Zur Methodik der Röntgenstrahlen-Behandlung bösartiger Geschwülste. Von Dozent Dr. med. habil. Karl-Heinz Riessbeck, Oberarzt des Universitäts-Instituts für Röntgenologie und Radiologie und der Geschwulstklinik der Charité Berlin. Cloth. 22.20 marks. Pp. 167, with 50 illustrations. Georg Thieme, Hainstrasse 17-19 Aufg. C, Leipzig C.1, Germany, 1955.

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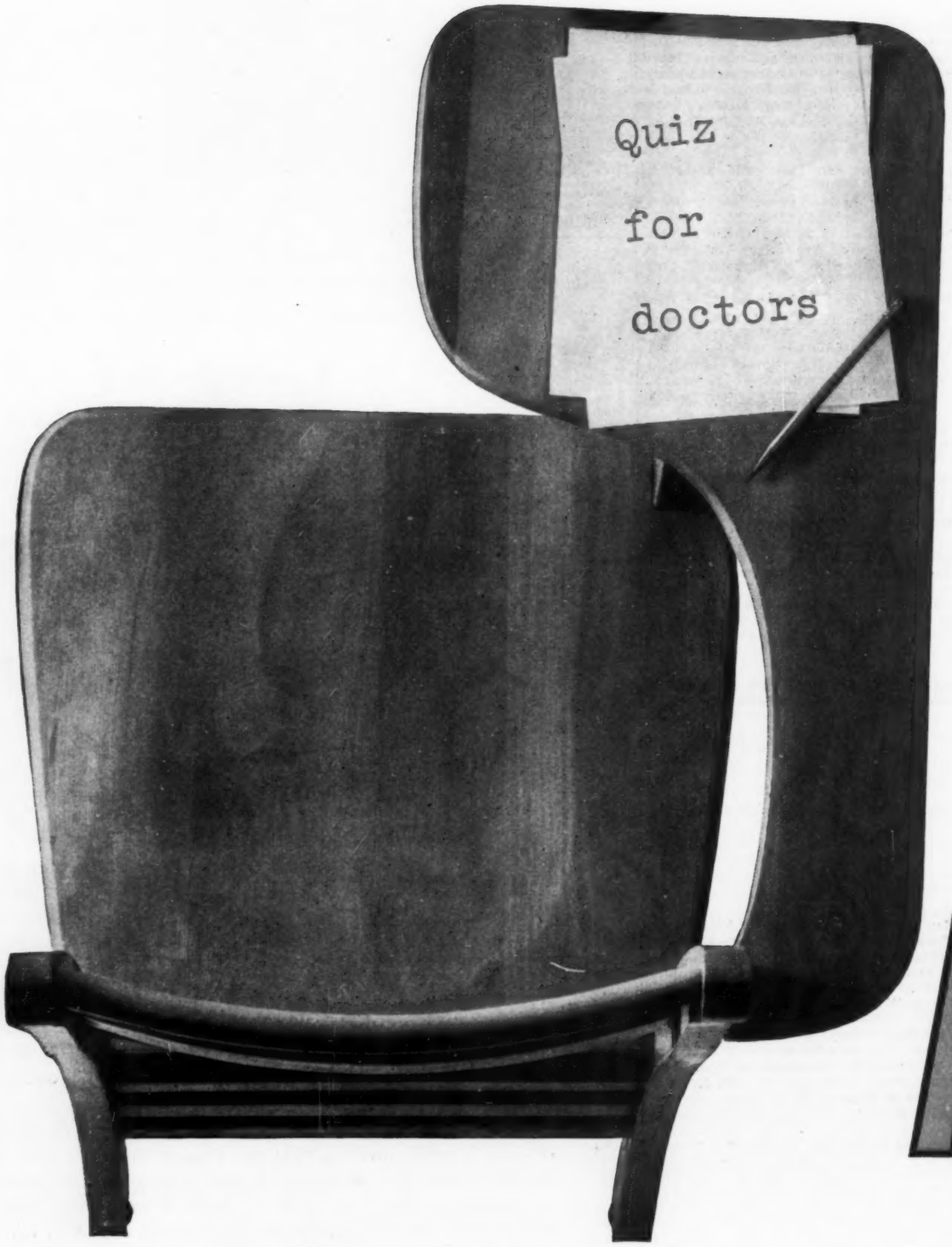
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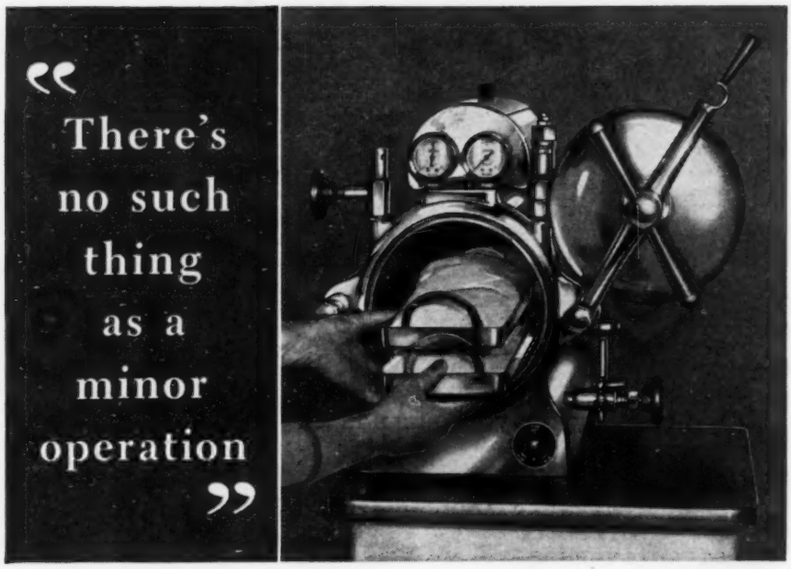

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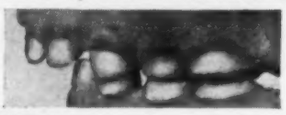

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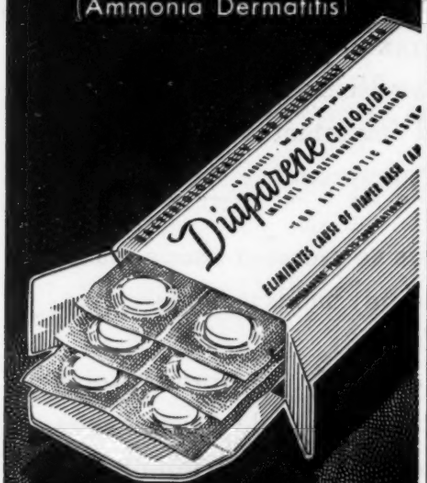

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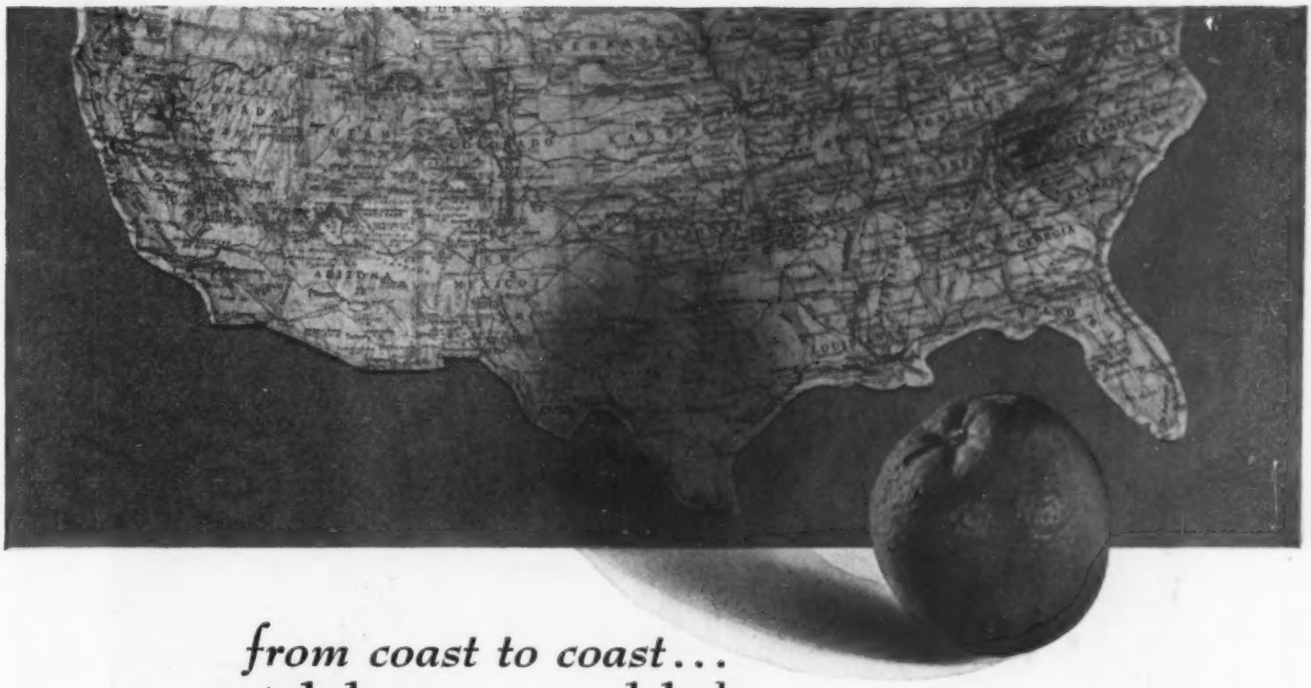

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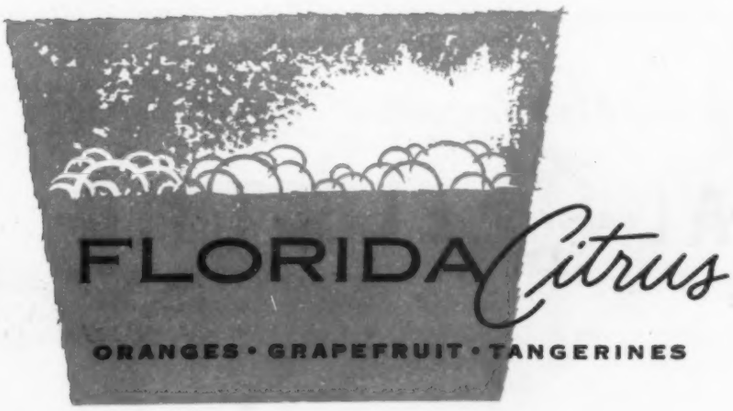

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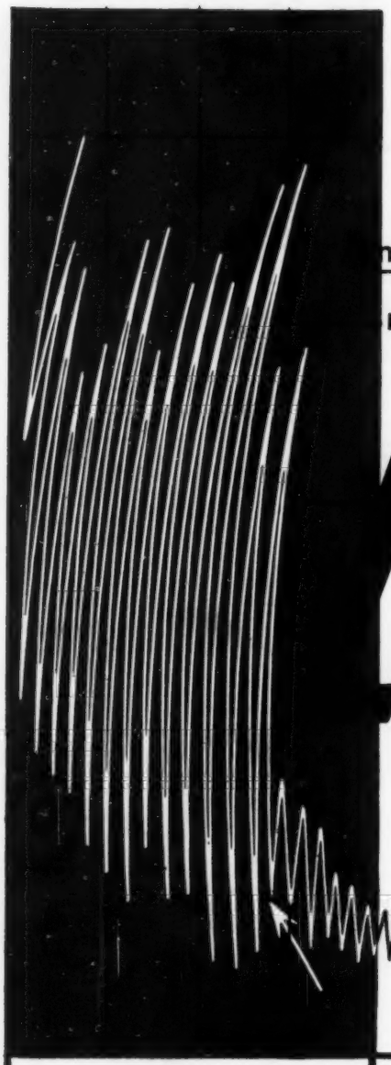

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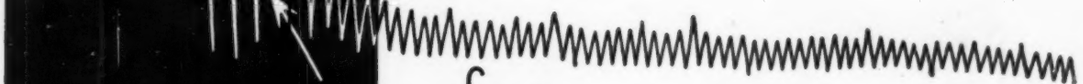

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1. *Rezek, G. H.: Am. J. Obstet. Gynecol., Vol. 66: No. 2, 396-402, 1953.*
2. *Jones, Georgeanna S. and Smith, Frank: Am. J. Obstet. Gynecol., Vol. 67: No. 3, 628-633, 1954.*

Complete literature on request.

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